

1968

1900-228

CRPT

BOT

Plawman

002

De Wolfe, Gordon. Specimens of Ficus *=FAA material

1916

1928

2087*

2119

2120*

2226

2257

2268

2287*

2293

2356

2361

2366

2905*

2921*

Remote 2:

Timothy Plowman
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Estados Unidos

✓ - Duplicate left at Col.



91

Collections from South America
SEPTEMBER 1968 -

Venezuela

Caracas. Jardin Botanico.

19 SEPT 1968

1900. Stapelia ciliacorona Asclepiadaceae
ECON Succulent ground herb.
Caulis very large. Corolla striped
with maroon on inside. Pale
outside. Det. T. Pierson

1901. Cestrum nocturnum L. Solanaceae
ECON Scrub 2.5 m. tall. fls. tubular
cream-color, light brown lobes.
Fruit (immature) green.

1902. Brunfelsia brasiliensis (Vell.) Macbride Solanaceae
ECON called Brunfelsia hortorum by
Dr. T. Lesser. Reported as brought by
him from Brazil.
Shrub 1.5 m. In bud. Corolla
violet-blue. In full sun.
Auto on upper branches.

americana L.

1903. *Brunfelsia* ^{ECO} *americana* L. ^{VEN} calyx lobes recurved
Smooth shrub 1 m. tall. Leaves very
few, subcoriaceous (18 leaves).
Flowers few. Corolla cream
yellow, terminal on branches.
Other plants very similar but
with ~~leaves~~ leaves. See photos.
These in fruit. Green when un-
matured. Strong odor of gardenia.

1904. *Brunfelsia nitida* Benth. Voucher for Chromosome
^{ECO} ^{VEN} Much branched shrub about ^{counts} h=11
1.5 m tall. Very bushy.
Corolla tube white. All the
flowers developing beneath the
calyx. No fruit. Buds on old
upper branches. Strong odor
of gardenia. Much branched at bases
bark reddish brown.

20 SEPTEMBER 1968.

1905. *Brunfelsia americana* L.

Cultivated in Caracas in
garden of Colegio.

1.5 m tall. Corolla yellow.
Strong odor of gardenia.

VEN

21 SEPTEMBER 1963.

PARQUE NACIONAL DE GUATOPÉ.
Alt. ca 900 m.

1906. Solanum

GT Large herb, suffrutescent growing
along road. Flowers creamy white.
Fruit hirsute, green

VEN,

1907. Solanum

PTT Treelet 2 m. tall. Flowers
white. Fruit green.

1908. Clunia

GT Tree 10 m. growing along
road. Petals white fleshy.

Estado Guárico - Pego Real.

Along road leading to Cementerio
21 SEPT 1963.

1909. Solzen
GHT Treelet 3 m. growing along
dirt road. Flowers white.
Fruits green. In full sun.
see 1907.

VEN umbellifera Killip ex Agostini Borego.
1910. Cordia (K, US) Agostini
GHT Tree reaching 10 - 15 m.
forming large part of woods,
and young trees → dudelgouth.
Fresh flowers white but turning
brown with age, persisting.
In shade. det. J. S. Miller 1986
VEN

1911. Brunfelsia uniflora (Pohl) D. Don.
ELON VEN
Shrubs to 1 m. sprouting
from cut trunk 3 cm in
diameter. Growing along
dirt road to cementerio in
full sun. Several seedlings
occurring nearby.

Con Arista queeta
Estacion Biologica Edo. Guarico
8 km. from Celabozo.
22 SEPTEMBER 1960.

1912. Erythroxylon K

MO VEN
Shrub 2 m. Sterile. Growing
at in wooded area in llanos.
At edge of woods.

25 km from Celabozo on road

Past Estacion Biologica

22 SEPT place called "Hato de Cerra"

1913. Solanum cf. mammosum L.

V.a. "Llanuras del Dzilto" ECW

Small shrub growing near
oasis in llano. Fruits green
with dark veins becoming
orange when ripe. No flowers.
Grazed area.

Seed grown in Harvard Greenhouse

23 SEPT 1968. Cerrcas

1914. Brunfelsia americana L.

Shrub 1.5 m Jardin Botanico.

Flowers creamy white yellowish
with 2 ye. leaves firm somewhat
rough. Fruit round, green thin
unstruc. Flower s on small side
branches. Margin of limb
undulate. Calyx lobes erect.

VEN

25 SEPTEMBER 1968. Estado Bolívar

Miercoles

c. 500 m. elev.

1915. Solenium K, us
Gt Treelet to 3 m. Growing along
road. 10 km east of El Palmer on way
to estacion forestal. 2^o growth.
Corolla violet, immature fruits green.
Stamens yellow. Common. Leaf lighter
beneath. In sun.

VEN

1916. Ficus K

Young tree 2.5 m tall along road
to Estacion Forestal. 2^o km from
El Palmer. Letix milky white, leaves lt.
green shiny above, very pale below. VEN

1917 Erythroxylon

MD Growing along Río Cabeza Mala
near road to Miamo 15 km NE of
Guasipati. Tree in Bosque reaching
6 m or more, 10 cm in girth.

Very common.

TYPE

Field Museum of Natural History

Brunfelsia imafacana Plowman

Ferdiana Bot., n.s., 8:5. 1981.

Det. T. Plowman

1918.

VN. "Jazmín del Monte" "Juan de la calle"
Locality: About 20 km. NE. of Guasipati along
side road (just before Río Cabeza Mala) on road to
Miamo.

In bosque in deep shade; soil:
purple sandy. Alt. 200 m.

Treelike or large shrub 4-5 m
tall. Leaves dull dark green above
(light beneath). Flowers borne singly
at ends of branchlets. Violet turning
pure white with age. Odor of jasmine.
Fruit immature but said to be about
2 cm in diameter when ripe.

USE: Said by campesinos to be used
by brujo for "baños". Not
cultivated.

WOOD: MAD

1918.

lobes of limb opening:



Calyx enlarges + becomes stiffer in fruit. Calyx pale green at first membranous, later coriaceous.

26 SEPT 1968. ESTADO BOLIVAR - Jauja
Reserva Forestal de Imataca.

Northeast of Upata: 16 km north from Upata to Los Rosos, then 23 km east along logging road to Campamento Paraiso, 18 mi NE of Upata.

c. 500 m. elev. Serrania de Imataca.

imatacana Plowman

1919. Brunfelsia pauciflora var. calycina

"Jazmin del monte". K, US, S, F.

Shrub to 3 m. in height along road at bend, 23 km from Los Rosos. Small population - about 6 small clumps of 1-3 individuals. Area cut over in road building and quite open, sunny compared to adjacent dense dark

forest.

Nearly finished flowering but a few buds still present. Flowers borne singly or doubly at ends of branchlets. Corolla violet fading lighter with age. Calyx pale green, membranous.

Young leaves dark purple above when first produced becoming dark green. Membranous slightly revolute at the margin.

:

1920. Cassia K, us, s

Gt Shrub 2 m tall growing along
roadside at cut over place. In sun.
Flowers yellow.

1921. Aphelandra pulcherrima Acanth
US (Jacq.) HBK.

Shrubby herb 1.5 m growing along
lumbering road, 23 km. from Los Rosas.
Fairly common. Corolla bright red.
In sun. Leaves bright green.
det. DC Wesselen Sept 1972

1922 Philodendron pedatum (Hook.) Kunth Araceae

Gt Vn. "cerima"

Epiphytic climbing herb growing
in deep forest 23 km from los Rosas.
Leaf latex in stem smelling strongly of
fresh carrots, turning reddish brown when
cut open. About 2 m. long. In deep shade.

us

35 km. N of Ufato.

About 30 km from Los Rosas.

MO 1923. Erythroxylum impressum O.E. Schulz Erythrox.
GHT Vn. "escoba negro"
Small tree 3m. along path in forest.
Leaves sub coriaceous. Sterile. Sheds.
det. T. Plourmen 1980.

MO 1924. Erythroxylum impressum O.E. Schulz Erythrox.
Vn. "escoba negro"
GHT Small tree about 2-3 m. growing on
rock outcrop - very dry. Leaves coriaceous
No flowers. Differences from #1923
may be due to habitat. Full sun.
det. T. Plourmen 1980.

1925. Tillandsia bulbosa Hook. Bromeliaceae
GHT Vn. "piña de mono"
Epiphytic Herb about 20 cm tall, growing on
Erythroxylon and other shrubs on rocky
outcrop. Perianth lavender - purple.
Style + filaments purple. Anthers
yellow. Leaves and roots green to
purple to red.

28 SEPTEMBER 1968.

Rio Caroni at ferry crossing
c. 100m.

1926. Psidium ~~thunbergianum~~ guineense Sw.

Shrub 1.5 m tall growing on river bank. Leaves light green, somewhat shiny above, dull + paler beneath. Petals white, evanescent. Filaments white, anthers brown (somewhat past). Sandy loamy soil.
VEN, K, US, GH. Det Kew 1975

1927. Solanum K, US, S, F, P

GH Shrub to 2 m. growing on beach (sandy loam) of Rio Caroni. Restricted to this habitat. Corolla white anthers yellow. Fruit green when young turning red at maturity.
VEN

1928. Ficus K, US

Tree 10 m tall growing next to Gas Station. Latex milky white. No fruit. Between Ciudad Bolívar and El Tigre at Km. 37. Estado Bolívar.
VEN

30 SEPTEMBER CARACAS

PARQUE DEL ESTE

1929. Brufelsia bonodora (Vell.) Macbride
ECON "manaca"

K Shrub to Treelet up to 4m tall.
Growing near Restaurant in Park
next to Bird Island. Cultivated.
Brought from Rio de Janeiro, garden
of Seabra Stoddart. Profuse flowers
and fruits and buds all stages.
Corolla violet to white very showy.

A-JP-2

MICH

4 OCTOBER 1968

Estado Aragua, Parque Nacional Henry
Pittier. Rancho Grande

1930. Acanthus K

Herb 1.5m high along road opposite
gate to Periquito Trail just above
Rancho Grande. 1300 m. Petals
yellowish, reflexed (in & s). Anthers
cream.

VEN GIT

1931. Solenium K, US

Trail from Reñuelos Grande to Toma.
Pelt Herb 1.5 m. Petals cream greenish
toward base. Stamens yellowish
green. Petals spreads. Fruits ovoid
Lodic 1.9 x 1.8 cm.

VEN GT

hyporrhodaeum A. Br. & Bouche

1932. Solenium K, US, S, F det. M. Whalen 1982.

GT About 3 km from Reñuelos Grande on
road to Ocumere de la Costa. Arborescent
herb along roadside, 3 m. tall. Leaves
very large, fragile, veins pale.

Hairs purple on exposed surfaces
green on unexposed. Gynx pale
greenish white. Petals white; stamens
creamy yellow. Fruit spheroid 4.5 x
4 cm. Hairs on fruit brown, color
burned orange.

VEN

1 = specimen duplicate in Bogota

13 October 1968 COLOMBIA

1933. Possiflora

ECD (Granadilla) "gulupa"

Dept. Cundinamarca. Road from Bogota to Girardot
near Pandi.

Vine growing along road. Leaves shiny above
paler and dull beneath. 3 Bracts light green.
5 Sepals pale green with maroon spotting.
5 Petals smaller than sepals also light green
with maroon spots. "Staminodes" in two tiers
the lower shorter and pointing downward.
Upper tier very showy ascending and
undulate at the tips, maroon + white
banded becoming blue violet at the tips.
Gynophore and ^{+ style}filaments light green w/ M
spots. Anthers pale. Pollen bright yellow.

IBAGUE

1934. K. us

Tillandsia recurvata (L.) L. Bromeliaceae
Epiphyte growing on trees and
wires throughout city of Ibague.

1935. Croton K, US, S, F

Glt Shrub 3-4 m. near Parque Centenario along path. Juice clear yellow turning bluish yellow upon oxidation. Strongly smelling of Aji - Filaments and anthers white - leaves pale underneath.

1936. Solenium → cideponnum Dunal

K, US, S, F det. M. Nee 186.

Shrub 3 m. tall along trail near Parque Centenario. Petals erect, white. Anthers yellow. Fruit green, surface roughish. Leaves with golden brown hairs when young.

Glt

17 OCTUBRE 1968.
POPOAYAN.

1937. Brunfelsia australis Benth. de Quito Ecuador
Ecc N.U. "Jasmine de Malabar" Asia. Oman Sea.
A-JP Shrub 3 m. tall. in garden of Museo
Valencia in Popayán. Rather straggly, leaves
small, waxy, ovate, acute, narrowed at
base. shiny on both surfaces, paler beneath.
~~midrib~~ protruding beneath. Trunk of shrub
11 cm, branching 15 cm above ground to
trunks 6 cm in diameter. Said to be
20 years old. Flowers profusely in June.

Flowers deep violet to white depending
on age. Sweet smelling of jasmine?) Throat
of corolla tube white to pale yellow.
Diam of corolla 4-6 cm across, tube of
corolla 1.9-2.3 cm, Calyx 1.2-1.5 cm.
Teeth of Calyx acute 0.3-0.5 cm. Pedicel
nonapparent or very short or fused with
calyx-receptacle tissue. Bilobed stigma
opens slightly for pollination. Filaments
violet turning white. Pollen pale yellow.
Stigmatic tissue above pollen sacs. Fruit
subglobose 1.2 cm in diameter.
Build indication of alkaloids in juice of
the fruit.

1957. cont.

Fruit drying brown. Outer part (exocarp, mesocarp) desaying to leaves papery inner shell of capsule.

Pasto 20 October 1963 c. 2600 m.

Sra Fernando, Pueblos 5 km from Pasto.
Along hedgerows and fields near town.

1938. Palicourea R., US, S.F. Rubiaceae
G.H. Streets 2 m tall along road. Leaves
dark green dull above, light green
below. Calyx green, Corolla tubular
12 mm long, dark purple with green
at the tips of the corolla lobes. Fruit
green about 8 mm in length
laterally appressed spheroid. G.
Corolla pale blue inside the lobes reflexing
at anthesis. Slightly zygomorphic at
maturity.

K, US, S, F, P
1939 Geissanthus

Myrsinaceae

GH Shrub (scrambling) about 2 m tall
growing along fence row. Corolla
(white) reflexed. Stamens creamy to
flesh colored. Leaves dull, paler beneath.
Leaf texture leathery - rubbery.
det. J. Pipoly 1986.

1 Brugmansia sanguinea (Ruij & Pavon) D. Don
1940. Datura sanguinea R. & P. US
~~1940.~~ Vn. "huayaco" "poroporo" ECOV, GH, NPA, K
Small tree to fm. common along
fields and roads. Corolla tube yellowish
green at the base, bright red towards
the lobes, about 20 cm. long. Calyx green
opening into 2 lobes. Fruit a berry
turbinate, or somewhat elongate. 5-7
cm in diameter, 8-10 cm long. Flowers
pendant.

1941. Centrum morifzii Dunal. Styracaceae?

Shrub about 2-3m. Fruits green almost black at the apex.

GK, K, US, S

1 ✓ K, US

1942. Tibouchina mollis (Bonpl.) Cogn. Melastomataceae
Shr. 3 m along stream. Pedicels and calyx red, hairy. Petals magenta-violet, anthers yellow, filament & pistil magenta-pink.
det. J.G. Wurdack 1972

1 cf. Tournefortia fuliginosa HBK.

1943. ~~Gesneriaceae~~ K, US, S Boraginaceae
GK

Shrub 2m tall rather straggly. Corolla creamy white, strongly scented. Fruit green, turning white at maturity.

1944. Polygodium muroorum - for Polypodiaceae
det. M.T. Muriel 1968.

Fern about 20 cm growing on rotted stump, along road.

1945. Piper K, US, S

G+^T

Shrub 1.5 m tall sprouting from thicker trunks

1946. Teloschistes chrysophthalmus Lichenes.

~~FR low~~ Det. I. M. Lamb. Mar. 1972.

Growing on trunks of Euphorbiaceae?
Thallus grey-green. Apothecia
bright orange.

1947.

~~1947~~ Va. "Pina"

Euphorbiaceae

Shrubs to small tree, to 4 m. growing along roadside. Abundant milky juice.
No flowers. Stems fleshy.

PASTO.

October 22, 1968. LAS GALLERAS, paramo
near Volcans, at Television Station.
4000 meters.

1948. *Elaphoglossum* - K Polypodiaceae
Small fern growing in protected
places among cushion plants and
mosses. Leaves thick, rubbery.

1949. *Elaphoglossum Yatesii* (Bd.) Christ Polypodiaceae
Fern growing among cushion
plants in fairly exposed places
(mostly on hillsides). Leaves thick,
rubbery. det. DSB

1950. *Elaphoglossum Yatesii* (Bd.) Christ Polypodiaceae
Smaller and similar to the
preceding number. Perhaps
same species. Among mosses
and cushion plants. Leaves involved
toward midrib.
det. DSB.

~ (Grammitis) *Polyodium multifidum* Legge
1951. ~~*Polyodium*~~ det DSB. Polypodiaceae

Tiny fern growing among mosses
on vertical rock slopes, mostly protected
from winds by overhanging vegetation.
(Some with hairs profuse among Sori.)
Growing near summit.

1952. ~~*Grimmia*~~ *Grimmiamariae* Kunze Polypodiaceae

Herb up to about 2 ft. growing
among mosses and cushion plants
on perennials. Found at lower elevations,
not at top where winds are cold
and most extreme. Common among
Espeletias further down.

det H. L. Nicoll 1/16/53

1953. ~~*Sympetrum*~~ *Isoetes triquetra* Br.
det DSB.

Aquatic herb growing completely submerged
in pool, spring fed, near summit of Galeras.
Very rusty red deposits in water indicating
presence of iron. Leaves with air chambers.

① → Jim Hickey - Miami Univ. Oxford Ohio
25 Aug 1953

1954. K, us, s

Glt Cushion plant, common on high
paramo. Rays white. Tube petals cream,
stigmas maroon, stamens yellow-orange.
Very common.

Composite

1955. K, us

Glt

Composite

Cushion plant. Common on high
paramo. All ray florets - yellow
petals, stigma, stamens. Abundant
milky juice.

↓
1956. Zorella aretioides (HBK) DC.

K, us, s

Glt det Kew 1975.

Umbelliferae

Cushion plant. Fairly common on
paramo. Petals 5, white, deciduous.
5 stamens, anthers yellow. Styles 2.

1957. Gennaria K, us
Gtt

Geranaceae

Cushion plant. Petals pink-violet.

1958. Gentiana K, us

Gentianaceae

Small herb growing among cushion plants and mosses. Not a cushion plant itself. Calyx greenish purple. Petals blue-~~purple~~ violet with darker violet veins. Stamens of 2 sizes: Some flowers have very short, other flowers with long filaments. Filaments blue-purple. Anthers tan. Ovary violet raised on gynophore.

A

1959. Ourisia K, us

Scrophulariaceae

Gtt Prostrate herb creeping on mud banks and among mosses and cushion plants. Corolla bright red. Filaments and style cream; anthers cream.

1960. Nertera depressa K Rubiaceae
GHT Creeping herb, woody at the base. Corolla lobes purple outside, white inside. Anthers bluish.

1961. Pernettya Ericaceae
GHT Creeping prostrate shrub, woody at base. Corolla tube red. Anthers red, filaments white. Style red. Berry white.

1962. Ranunculus guzmanii K, US Ranunculaceae
GHT, S, F
Herb to about 0.3 m. tall. Growing on highest paramo peaks, often in protected place. Sepals 5, reddish outside, yellow inside, shiny. Petals smaller, enclosed by sepals, tubular at the base, yellow. Stamens many, yellow. Petals many, yellow. Fruit a green schene.

1963. Habenaria K, US

Gentianaceae

Tall herb growing in wet places to 0.5 m. Calyx light green. Corolla yellow green; filaments yellow green, anthers tan, inserted alternate with and on corolla tube. Ovary yellow green. Fruit a cap-sule. Petals white, all persisting in fruit. Leaves forming rosette at the base. Long tap root.

A

1964.

Umbelliferae

GT Herb about 10 cm tall growing among cushion plant in paramo. Petals dull orange color, anthers white, very almost black. Long tap root.

gigantea Desv.

1965. Luzula K, US, S det Kew Juncaceae

GT

Herb about 10 cm tall growing very high in paramo on heavily barren hill sides on trail to volcano north.

1966. Alchemilla
Herb growing among cushion
plants on perenos.
GH

1967. Senecio K, US, S Composite
GH Herb with creeping root stalk
growing along trail to crater,
in less barren places at summit.
All tube florets. Lobes of corolla
yellow. Stigma yellow. To about
2.4 m. tall. Common. Leaves stiff.

1968. Castilleja K Scrophulariaceae
GH
Herb common among cushion
plants. Leaves involved at the
margins. Corolla white to pink.
Very common.

1969. Espeletia K, US, S Compositae
vn. "FRAY DEJON"
GHT Woody plant reaching 4 m. high. Found lower down in Páramos in grassy meadows. Forming extensive populations.
Rays yellow. Disk yellow.

1970. Ribes K, US Grossulariaceae
GHT Shrub reaching 1 meter growing in meadow with Espeletias among grasses. Corolla tube red, stamens and pink creamy white.

1971. Senecio stuebelii Hier. Compositae
K, S, F
GHT det. Castro casas
Shrub reaching 1 m. growing in lower sector of páramos (but found higher up as well.) Corolla, stamens, pistil yellow. Pappus white.

1972. Bomarea
GHT

Amaryllidaceae

Herb about 30 cm tall growing among grasses and Epeletias in lower part of Paramo. Rare. Leaves involved at the margins.

3 Outer tepals red on outside, yellowish inside. 3 Inner tepals yellow with a medial red stripe outside and brown spots inside, slightly clawed at base. 6 Stamens with yellow filaments and purple anthers. Pistil yellow.

I K
1973. Sisyrinchium
GHT

Iridaceae

Herb to 0.5 m. tall growing among grasses in meadows in Lower Paramo. Flowers yellow. Capsule shiny black.

K, US, S
1974. Loricaria thyoides Compositae
det. Craterecaspas

Shrub to about 1.0 m. Growing in lower Paramo and occasionally higher up. Branches greatly compressed in the plane. Cap. tube creamy white.

1975. Blechnum loxense (HBK) Heron. Polypodiaceae
det DSB.

Fern with strong rootstock growing among Espeletia and grasses.

1976. Agrastis foliata Hook.f. Gramineae
US, GH, K

Herb about 20 cm. tall growing on slopes of volcano crater. First vascular plant to colonize. Spikelets reddish.
det. T. Soderstrom

1977.

Discomycetes

Cup fungus about 15 mm across. Hymenium bright red, edge darker. Light brown underneath. Growing on piece of rotten wood in forest on ground among grasses. Wet place.

1978.

Dioscoreales

Cup fungus growing on soil on gravelly road in open sun. Disc irregularly shaped, bright orange, lighter underneath.

1979.

Agaricaceae

Gill fungus growing among cushion plants on high plateau ~ 4000 m. Cap brown, stem buff colored. On rotten organic matter.

CINC, K, US
1980. Cryptothila grandiflora (L. + (T.) Trolle Bryophyta
MICHT, MO, S Hepaticae

Growing at base of volcanic rim in
gravelly mud. Very wet area.

det. Margaret Fulford

1972

1981. Andreaea barbuloides Broth. ex Herz. Lichenes
det. H. Crum 1972

Growing on soil and among mosses
in slopes of volcano at Los Galeras.
Apothecia: reddish orange hymenium.

1982. Pilopogon gracilis (Hook.) Brid. Musci
MICHT, MO det H. Crum 1972

Moss growing in wet places sheltered
from exposure on slopes of volcano.

1983. Pilopogon gracilis (Hook.) Brid. Musci
MICHT, MO det. H. Crum 1972

Moss growing in wet places under
overhangs + in depressions on volcano slopes.

1984. Pilopogon gracilis (Hook.) Brid. Hepatic
Growing in moist places sheltered
from wind on volcanic slopes.
MICH, MO det H.Crum 1972

1986. Rhacomitrium crispulum Musci
MICH, MO (Hook. f. + Wils.) Hook. f. + Wils.
Moss growing on rocks and soil
at bottom of rim around volcano.
det. H.Crum 1972

6 NOVIEMBRE 1968 - PASTO
GRANJA BOTANA - c. 2600 m.

Stream environs on hillside behind
Granja Buildings.

1986. Calceolaria colombiana Pennell K Serphulariaceae
→ tripartita R. & P.

Herb 0.5 m tall growing in pastured
field. Corolla yellow, unmarked.
Stem 2+ cm. Leaves with sticky
glandular hairs.
det. Molau 1982.

1007. Cleome chelidonoides HBK. K, US, S

Herb in marshy area, Creeping, reaching 0.3 m in height. Corolla yellow, unmarked. Non glandular hairs.

1008. Cleome cf. anomala HBK. K, US, S

GH

Capparaceae

Small tree to 7 m. along Quebrada.
Sepals 4 maroon, Petals greenish yellow with maroon. Filaments yellow at the base, maroon distally with maroon anthers. Ovary on long gynophore greenish maroon. Petals apparently forced open by stamens.

1009. Coviria hymenifolia K, US

Rubiaceae

GLT C. ruscifolia L. ssp. microphylla (Poir.) L. Skog

Woody climber or shrub to 2 m long stream. Calyx dark red, disc present yellow-green. Stamens greenish yellow with dark red. Style greenish, Stigmas red.

1990. Bomarea

GH-2

Amaryllidaceae

Climbing herb 2 m high. Sepals red-orange outside, yellow-orange inside. Petals yellow orange with red spots. Filaments yellow.

Fruits reddish black, seeds bright red-orange.

1991. Passiflora cumbalensis

Vine climbing along stream in under brush, semi-woody. Bracts green. Hypothecium tube green. Sepals red inside, green outside. Petals red. Filaments pink, anthers yellow. Style pink, stigmas light green. Leaves pinnous. Ovary light green.

1992. Passiflora mollissima (HBK.) Bailey

var. "Coruba"

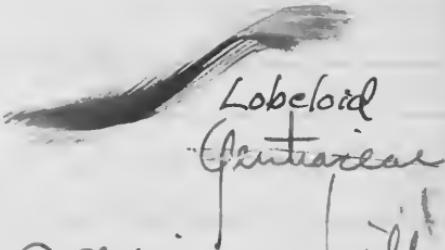
Woody vine growing on fence along road near Granga. Bracts dark green. Hypothecium tube

green beneath, reddish distally.
Sepals maroon outside, pink inside. Petals pink. Filaments cream, anthers yellow. Ovary pale yellow. Stigma pale green. Styles pale pink.

Fruit elliptic, green. Yellow inside  when ripe.

✓ Dendrophthora clavata (Benth.) O. Kuntze
1993. Phoradendron K det. J. Kuijt 1984. Loranthaceae
Gt, US

Parasite growing on small shrub (Solanaceae?) on hill side. Very young growth green, later bright yellow. Fleshy. Berry white.



1994. K, US

Large herb to 4 m growing on hill side. Milky juice. Corolla creamy white pink at the base.

1995. Eryngium

Gtt

Umbelliferae

Small herb growing in wet place in meadow. Inflorescence greenish white.

1996. Eleocharis

Gtt

Cyperaceae

Herb growing in wet place in pasture on hillside. Very common.

1997. Cyperus cf. niger

Gtt

Cyperaceae

Herb growing in wet place on hillside. Occasional.

1998. Marchantia polymorpha L. Hepaticae

CINC

Liverwort growing in marshy meadow.

11 NOVEMBER 1968. Sibundoy.
Elev. 2250 m.

1999. ~~Caparao~~

(C) Rh. xand manána

USO: Purgante para meter gusanos
y limpiar el estomago.

Shrubs 2 m. growing along road-
side east of Sibundoy.

2000 Methylsticidendron

borrachera"

? Rh. "Culebra borrachera" mezcuay (Kumán)

USO: against rheumatismo en.
benros calientes.

Small tree 2.5 m de altura.

5 kilómetros Sur oeste de Sibundoy.

Iochroma geocnoides (HBK.) Miers
det. G. Sobel & M. Nee
1985.

* Chemical Analyses

101. *Iochroma umbrosa* (Nob.) Miers Solanaceae
vn. "totujans̄she" **GH, ECON**: K, US
Venenosa. Árbol de 3 metros. F.
(Calyx red. Corolla red, slightly
recurved; zygomorphic). Stamens cream.
leaves dull green. fruit turn-
ing reddish at maturity.
Found commonly in hortyards and
near dwellings.

* Chemical Analyses

102. *Cestrum humboldtii* Francey var. *tenuiflorae* Francey
vn. ~~stroboangustae~~ "shuangsha"
Venenosa. **GH**, INPA, K, US (pallid)
Tree 5 m tall. Flowers greenish
purple. Fruit nearly black-en-
closed by the calyx.

103. *Solanum* K

vn "shanzanshe"

GH Tree 6 meters tall, trunk 20
^{US} cm diameter. Leaves shiny dark
green above. Dull hairy beneath.
Petals white. Anthers yellow

united around pistil.

2004 ^K Canna cf. glauca (Cannaceae)
vn. "achirilla" buyatun ^{me} "chache"
ECP Herbs 3 m tall growing in
garden. Flowers orange.
Anther cream color.

2005. Cestrum ochraceum Flauzey
vn. "sijang ~~chā~~"
INPA Arbol de 7 metros, trunk 20 cm.
ECON Flowers cream color. Fruit
K black subsp. heroid to 1 cm.
US Leaves stiff smooth, darker
above.

USO: para resfriados de la cabeza
las hojas calentadas aplicadas
a la cabeza en plaster.

★ ~~yellowish~~ juice
20 06 Cestrum ochraceum Francy
vn. sijangushe var. Microphyllum
Francy.
ECON, Gt

Tree 5 m tall in garden of Pedro
Juárez. Strong heretic odor.
Corolla tube cream to purplish
brown. Fruit black 8 mm in diameter.
In town of Sibundoy.

13 NOVIEMBRE 1960. Mocoa. ~~500~~ 600 m.
Camino Viejo San Antonio. Pedro
Juárez

20 F. Browallia americana. Majabioy
vn. to 2 m. FAA
Herd. to 0.5 m. growing among
Yaca and café in farm yard of
Hilario Quinchía. Calyx 9 mm long,
corolla tube 18 mm long, limb 6 ft
mm. Corolla blue-violet, yellow
at the throat (unilateral).

INPA, ECON, ACP, K, US, S

(A) → K

2008. *Brunfelsia grandiflora* subsp. *Schultzeana*
ECON. vu. Chide Caspi. (c. 45.)
A-SP Shrub 1.5 m tall in garden of
Hilario Quinchoza 1 km from Ríocoa.
Calyx 10 mm long, teeth 2 mm.
Pedicel 3.5 mm. Corolla tube
2.5 cm long, limb 3.5 cm across.
Throat white,
(with touch of yellow) corolla violet
pale, turning white with age.
Stamens 5 mm from mouth of
tube. Petals slightly reflexed,
undulate at the margin.

Leaves lustrous green above, pale
and dull beneath. Very smooth
rubbery. Growing in shade.

Fruit globose 15 mm in diameter,
green.

2009. Brunfelsia grandiflora subsp. Schultesii
~~var.~~ "m. chiricasspi;" (PAA - fruits)
Shrub 1 m tall along roadside
in full sun. Calyx 18 mm.
Corolla tube 20 mm, limb 32 mm
across. Petal violet. Fruit 10 mm
subglobose. Growing in full sun.
Flowers smaller, petals slightly re-
flexed.
and of roll.

2010. Brunfelsia grandiflora D Don ssp. Schultesii
~~var.~~ "m. chiricasspi;" (PAA - Cytological)
Shrub to 3 m growing as a
hedge along road. Calyx 10 mm.
Corolla tube 2.5 mm limb 4.2
cm across. Fruit globose 1.2 cm
across, green, turning brown on
ripening at maturity
leaves soft smooth ^{beginning of roll} raspberry.

✓ 2011. Bassovia (Witheringia) submacea Solanaceae
GH

Shrubs or suffrutescent herbs 1.5 m tall along roadside. Petals 4, reddish brown, to yellowish (^{5 mm}). Fruit a berry turning from green to red at maturity. 7 mm across, subglobose, 5 mm long. Anthers cream.

✓ 2012. Solanum Solanaceae
ECO vn. "Kujauillo"

Herb. 1.5 m tall along roadside. Petals ^{pink} violet reflexed at anthesis 7 mm long. Anthers yellow.

✓ 2013. Cordia bifurcata Roen. & Schult.

GH, K, US, F det. J.S. Miller 1986.

Shrubs 1.5 m along roadside. Corolla creamy white. Fruit bright red at maturity.

2014.

Nierispermac

GHT, K, US

Vine growing in thicket along road-side. Flowers minute, greenish yellow.

✓ Pauillinia?

2015.

K, S

Sapindaceae

GHT, US

Woody straggling shrub to 2m tall growing in secondary growth along road. Petals white 2 mm long. Sepals green, persistent. Fruit bright red, with white aril and black seed.

✓ Nectandra reticulata (R. & P.) Mez
2016. ~~Saurauia~~ K *det. W. Banger 1986. Lauree.*

GHT, US, S, F

Tree 8 meters. Trunk 30 cm in diameter. Sepals 3, white. Petals 6 white. Stamens in 2 whorls, outer 6, inner 3, large fleshy filament-connective with tiny yellow anthers. Inferior ovary.

pectinatum Dunal ex DC. det Whelen
1981.

2017. *Solenium hispidissimum* Standl. K, US

ECON S

GT Herb 1 m tall along roadside.
Covered with bristles. C = Cyx
white persistent. Petals white.
Anthers yellow. Fruit green
very bristly, hairs dislodging on
contact.

14 NOVEMBER

Salveje = abeja

2018. *Brunfelsia grandiflora* subsp. *Schultesii*
ECON vn. Salveje chiri csp. (cigar)

A-SP Shrub 1.5 m tall growing in garden
of Santiago Mutumba joy, East of Morea
4 Kilometros. Fruits sub rounded 1.2^{1/4} cm
in diameter, 1.6 cm long. Green turning
brown at maturity. In full sun.

Leaves soft, rubbery. Dark green
shiny above, pallid beneath. Not as
good as 2019.

2019. Brunfelsia b grandiflora ssp. Schultesii
Ecuador. Picoru Chiric Cosp. (inga)
A-IP Small shrubs 1 m. tall in yard
Kd Santiago Mimbajoy 4 mi East
of Machoa. In full sun.

uso: un palito de 30 cm. Se usa
la corteza de agua fria 2 horas.
Contra fiebres. Cuando se toma
se borrecha para 8 horas.
Hace frio en frio el cuerpo. 3
palitos para borrecharse como
yagé.

Calyx 1 cm, teeth 2 mm. Pedicel
to 8 mm. Corolla tube 2.7 cm
long, limb 3.7 cm. Violet (pale)
to white at maturity. White disc
at the mouth, slightly yellow. Margin
of corolla lobes undulate. Odor of
Jasmine. Fruit 1.6 cm long, 1.2 wide

Leaves smooth (yellowing) green.
Shiny above, dull & pale beneath.
~~leaves~~ Covered with stinging erits &
spiders.

Odor of Jasmine.

14 NOV 68

COL K. U.S.S.F

2020. *Erythroxylum novogranatense* (Morris) Hieron.

ECO vn. "Coca"

Det. T. Plowman

Tree 4.5 m tall in garden of
Santiago Mutumbayay. 4 mi. east
of Coca. Flowers white. Fruits
bright red at maturity, oval to
elongate 7-8 mm diameter,
8-15 mm long.

2021. *Brenneriopsis caapi* (Spruce ex Griseb.)

ECO vn. yagé

Morton

Liana. 10 m. high. Growing
in cultivation.

US: Cocained in dia con chepa pur-
ga en madera grande con
agua.

Photos

2022. *Anthurium* cf. *hahni* Engl. det Kew

GT vn. "chopopanga" (Inga)

1975

K US Herb, 1.5-2.0 m tall growing
along trail in forest 4 km east
of Coca. Very common. Terrestrial.
Sp. the light green. Spadix light
yellow when young, turning green.
Leaves 1 m. long, 2/3 m wide.

MOCOA

in shade and sun.

Along Rio Mocoa 4 km from Mocoa.

2023. Philodendron ulleanum Engl.

GH, ~~✓~~, K F, col det. S. Mayo 1979.

HERB to about 1 m. Growing on tree trunks in 2° forest along trail. Abundant clear Sep + turning red on cutting (+ tissues). Petiole streaked with dark green spots. Leaves shiny dark green above, light green below.

Spathie green with streaky spots. In forest (shady).

Photos SK

2024. Philodendron barrosoanum Bunting

GH, ~~✓~~, F det. T. Croft 1982.

Herb climbing on old tree trunks to 2 m tall along streams in forest. Spathie green with pink coloring. Male flowers in spadix turning red brown on cutting.

MOCOA

Ardisia guianensis (Aubl.) Mez Myrsinaceae

2025. K det. J. Pipoly 1985. Schizolobium
GT, US, S, F, P

Woody Shrub 2 m tall growing at edge of woods along road. Petals 4 pink to cream, stamens: yellow anthers, white filaments. Petals reflexed. Fruit 2" drupe at first red turning black at maturity.

gracile (Rudge) Lindl. det. M. Madison

1977

2026. Anthurium scolopendrinum (Ham.) Kunth Araceae
no photo GT, ~~det~~, KF det Kew 1975

Herb 5 cm growing on tree trunk along road in full sun. Spathe
and spadix reddish brown. Berries bright red, 8 mm long, 8 mm wide, 5 mm thick. Leaves erect, smooth.

ANTHURIUM HARLINGIANUM CROAT

Foto #5.

DET. T. CROAT 1988

2027. Anthurium GT F
var. "cecumis" Sicc. Inga. Foto → K.

Herb to 1 m. epiphyte in forest. Spathe pink purple above, green with purple stripes beneath. Spadix light brown + reddish. Leaves smooth,

Rio Mocoa

Nov 1981

firm, stiff.

Mature spadix red. Mature fruit
red. Spathe green, spiraling, pendant.

Anthurium

~~2028~~. Terrestrial herb.

2028. Anthurium truncicolum Engler

vn. "monohuzca" Grt F col

Terrestrial herb growing along
river bank in dense forest. Spathe
light green; spadix light green
leaf blade horizontal. Leaves smooth,
soft, rubbery. Spathe pendulous at
maturity.

det. T. Croat 1980.

2029. Anthurium Eminens Schott

Grt, ~~K~~, K F det. M. Madison 1981.

Epiphytic climber, herb, about
3 m., leaves 1-2 m. tall. Leaflets
0.5 m long. Fruits violet, mature
spadix brownish. Leaflets 13.

Young spathe purple. Spathe
strongly imbricated at the margin, white &
pink above, dull red beneath, stipule maroon.
Spatha to 85 cm long.

Rio Mocoa

2030. Ficus K, US, S, F

Tree 10 m. along Rio Mocoa. Abundant milky juice.

2031. Philodendron rubens Schott vel aff. Araceae

GH, VEN, K, US ~~S~~ det Kew 1975

Herb about 4 m. tall growing epiphytic on tree trunk. Spathe green in bottom half white above, Inside bright pinkish red. Spadix whitish cream.

~~Chart~~ Sap turning red on exposure to air. Leaves ^{chartaceous} ~~leathery~~ stiff. Strong odor of carrot in stem.

2032. Philodendron sp. ruizii Schott Araceae

GH, ~~VEN~~ F

Herb to 2 m growing on rotten tree trunk along Rio Mocoa. Bottom $\frac{1}{3}$ of spathe greenish white, middle third red, top $\frac{1}{3}$ creamy white.

Río Macoa

Fruits green! Spathe white
inside. More parts of spadix yellow.
Leaves thick, leathery, smooth.

✓ 2033. Anturium ^{photo → K} vn. chupasupa " f. 2027A ^{Araceae} G.H. ~~H.~~ F.

Herb terrestrial 2 m tall
growing on hillside along Río
Maca. Spathe whiteish green
Spadix creamy yellow. Leaves
membranous, stiff. Spathe erect
boat shaped around spadix at first
later pendulous. Mature spadix brown.

Sabado, 16 NOVIEMBRE 1968.

2034. Banisteriopsis hispida K, US
vn. Chagropanga.
Lizma.
→ Diplopterys cabrerana (Castr.) Gates
det. Gates 1982.

Rio Macoa

Domingo 17 NOVIEMBRE 1969.

2035. Annona Rollinia

GH. "guanabana" det. James Walker

Tree 10 m tall. Trunk .30 cm.

Fruit subglobose to irregular to about 10 cm in diameter.

2036. K

Cepparaceae

GH, US, S

Herb to 2 m tall growing
on cut-over hillside along Rio Macoa.
Sepals linear green 4. Petals green 4
more or less connate toward the tips.
Filaments greenish brown. Gynophore
greenish brown, ovary green.

K
2037. Inga brownii Mast.

m. "cecambo Sise" (Inga)

Terrestrial herb 1 m tall in forest
along Rio Macoa. Sp sp the erect, light
green, spix bright red at
maturity. Leaves stiff, membranous.

K G H, ~~V~~ F

Rio Mocoa

LUNES. 19 de NOVIEMBRE 1968.

2038. Calathea standleyi Macbr. Marantaceae

m. "Cengarejo" Venenoja. Det. A.
Davis "rijalos" (Engg.) "rijalos" Kennedy 1971.

GT Herb along forest trail to 1 m.
tall. flowers pale orange. Near
firme de Santiago

20 NOVIEMBRE 1968. Miércoles - Pepino

2039. Brunfelsia grandiflora D. Don ssp. Schultesii
ELOM

L Shrub about 2 m tall growing
along roadside in Pepino. Cultivated.
Pedicel to 7 mm long. Calyx 10 mm long
cylindrical-compressed, teeth acute
2.5 m long. Corolla tube 20-25 mm,
geniculate (?) 7 mm from distal end.
Limb of corolla 30-40 mm across.
Lobes 5 about 10-12 mm long. Color
Violet to nearly white. White disc
around throat of tube 4 mm in
diameter. Filaments white, adnate
to corolla tube 10 mm, shorter stamens
free for 6 mm more, longer 7 mm.
Anthers buff-brown color.

Style to about 17 mm long, ovary
about 1.5 mm long, somewhat conical.
Style bilobed.

Leaves, light green somewhat shiny
above, pale and dull beneath.
Size 2 to 4 cm wide x 7 to 10 cm long.

21 NOVIEMBRE 1968 Río Quínes,
8 km W. of Villa Garzón.
Elev. 500-700 m.

2040. Brunfelsia grandiflora D. Don ssp. Schultesii
~~ECON~~ MICH var. "Chiric capei chagruco"
Shrub 3 m tall in garden of
F Daniel Jojua 8 km from Villa-
Garzón on road to San José. Pedicel
Ht 5 mm, calyx 10 mm, corolla
M tube 23 mm, corolla limb 40 mm
W across: ~~black~~ violet in color fading
G white. Growing in shade under
Arbutus. Leaves large,
soft, smooth, stiffening some-
what with age.

Fruit a capsule suborbicular
about 13 mm in diameter, green
turning brown + dry with age.

Rio ~~████████~~ Gines

Use: The bark is scraped and pounded, placed in cold water to yield a purple-violet liquid the color of the flowers. Serve ~~as~~ para la brezada hora una copa.

2041 *Brunfelsia grandiflora* ssp. *Schultesii*
Ecuador "Picuna Chiricape"
A-IP

UCS Shrub about 3.5 m growing
K among plumerias in garden.
P Pedicel about 4 mm; calyx to
NY 1.2 cm, teeth 2 mm long, acute.
Corolla tube 2.2 cm long, limb
to 4.5 cm across, violet. White
circle at throat 6 mm in dia-
meter.

Leaves smaller, smooth but
stiffer than 2040.

Fruit a capsule turbinate sub-
round to 15 mm in diameter
green turning brown.

Said to be much more effective
than "Chagruco Chiric aspi".

GK, K

det. Cuatrecasas 1972

2042. Stephanopodium peruvianum P. & E.

vn. "Catentora chiric aspi" Dichapetalaceae
wet Small tree 3 m tall in dense
forest. Flowers said to be white, fruit
small, yellow.

uso: the bark is taken with cold
water for fevers.

(US, ECA)

2043.

Rubiaceae?

vn. "Salvaje chiric aspi"

Small tree 3 m tall in wet
dense forest. Leaves almost leathery
in texture.

uso: the bark is very strong remedy
for fevers. A very small amount
is used.

Rio ~~████████~~ Gine

2044. Solanum
GT

Shrub 1.5 m tall along trail in forest. Corolla white, stamens yellow, pistil white (style). Leaves shiny & dark above, pale and dull beneath.

✓ K

2045. Cephaelis williamsii Standl. Rubiaceae
GT m. "Danta yana muco" (Inga)
Small tree 3 m. tall in wet dark forest in understory. floral bracts pale yellow; corolla 5 lobed creamy yellow.
det. Simpson 1973.

K, us

det. D. Simpson 1973.

✓ Farganea rectinervis Standl.

2046. ~~Isoglossa~~ Coussarea or Farganea Rubiaceae
GT m. "Cucuchagra" (Inga)

Tree 6 m tall in understory of forest. Inflorescence axillary whorled. Calyx white, corolla tube bluish, corolla lobes blue.

leaves stiff, membranaceous.

Monstera obliqua Miq.

2047. ~~Philodendron~~ det. M. Madison 1975
GH, F Araceae

Epiphyte growing on tree in forest. Leaves horizontal from stem. Fruit contains orange pigment towards surface of spadix  orange white spathe green, deciduous at fruit. Spadix white.

→ *Philodendron cuneatum* Engl. det Crost 1982

Monstera MIXED COLLECTION

2048. *Philodendron* cf. *cuneatum* Engl. Araceae

GH, K, US, COL, F det Deut H. Nicolson &

Epiphyte growing (climber) on tree in dark wet forest. Stem containing clear sap which turns reddish brown on exposure. Spathe light green with occasional maroon spots. Spadix ♀ part greenish white, ♂ brownish. Ripe fruit bright red, spathe deciduous when mature.

Rio ~~Guineo~~ Guineo

leaves standing nearly vertical.

✓ 2049. Philodendron

GH, ~~✓~~ F

Epiphytic climber 1.5 m tall in trees. Leaf blades more or less horizontal. Spatha light green. Spadix cream white.

2050. Philodendron

vn. "raia pinga" GH, ~~✓~~ F

Epiphytic climbing herb in forest to 2 m tall. Spatha green with crescent shaped white line at base of inflorescence. ♀ flowers greenish, ♂ flowers brownish. Clear sap turns dark red brown on exposure.

Leaflets at right angles of

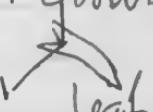
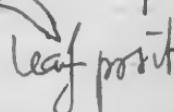
2051. Anthurium

~~GH~~, F

Epiphytic herb. 5 m in size.
Petioles vertical, blade horizontal.
Spath light green, horizontal.
Spadix erect, completely green.

2052. Anthurium BREVISCAPUM POEPPING

GH, ~~W~~ F

Epiphytic herb about 1 m. growing
on tree trunks in forest. 
Spath light green, Spadix black, glossy. 

2053. Trema micrantha (L.) Blume

GH det LBSm.

Small tree 3 m. in stream bed of
Rio Guineo. Flowers small, yellowish.

Río Gineo

22 NOVIEMBRE 1968.

✓ ~~K~~ 2054. Bellucia grossularioides

~~Bellucia~~ Melastomataceae

Vn. "denta guayaba" (Inga)
ECON GT Tree 6 m. tall along road to
San José, 5 km. de Villagerzón.
Cauliflorous. ~~sepals~~ Sepals green,
5 Petals white, pink underneath.
Stamens 12 yellow. Style and Stigma
white, forcing itself out of stamen
ring at the side, not in center.
Petals turning pale tan with age.
Sweet smelling.

Mature fruit is edible, about 3
cm in diameter. Slightly sour but
refreshing.

✓ 2055.

~~Leptostachyaceae~~

ECON Vn. "albahaca" (Inga)

Herb 1 m tall in garden of
apriano Joya. Corolla white with
purple markings inside.

USO: con agua dulce se toma
la hoja para nervios. Para
muelas (enfermedad de los ojos), una
pepita se pone (entera) en el ojo.

2056. Anthurium

foto → K

Vn "Sacha cola del monte" GH, ~~F~~ F

Terrestrial herb 1.5 m tall along
path in forest near Casa del Ciprés
Jojóal. Spathe light green
erect. Spadix greenish white
in flower, turning dark green
at maturity. Fruits dark glossy
red, about 7 mm in diameter.

2057. ~~Anthurium~~ Rhodospatha latifolia Poepp.

"menredadera" "cucumba sicsg" (Inga)

Herb climbing on tree in forest
2 m tall. Spathe large white (creamy)
deciduous. Spadix salmon pink
at first turning grey white.
Sticky yellow disk on spadix
when fresh.

Uso: Para huevas. Se cocina la
"papa" (spadix) and pícele the
liquid en la boca.

GH, ~~F~~ F photo → K

Rio Gineo

K. *nicolaioides*

2058. *Renealmia* aff. ~~exaltata~~ *Fringiberaceae*
vn. "Zirindango" (Inga)
Utrecht GT

uso: Para la picadura de víbora.
El jugo se toma para boca crudo.

Large herb the leafy stalks to
4-5 m.) inflorescence - about 1.5'
in tall. floral bracts orange (pale)
Corolla and floral parts pink.
Sepals in fruit bright orange.
Mature fruit green, reddish at
the base. Pulp of fruit orange.
Seeds white attached on long
(5 cm) mucilaginous funiculus.

2059. *Calathea altissima* (Poep. et Endl.) Koen. *Martaceae*
vn. anduche vijagua (Inga)
Terrestrial herb nearly 2 m.
tall in forest. Flowers very pale
orange (cream), floral bracts
buff. Fruits yellowish brown.

GT

Det. J. Idrobo

30 Dec 1968

Gurania rhizantha (Poepp. + Endl.) Jeffrey

2060. K, Sol

Cucurbitaceae

vn. "sic & huasca" (Inga)

Liana climbing in forest.

about 10 m. long. 5 petals bright red-orange, fleshy, very fragile.
Stamens yellow. Pollinia laterally fixed in side hypothecum.

2061. Psydostria polyphlebia Dom-Sm. Rubiaceae

F det. DR Simpson 1972

Low herb growing on forest floor.

Cornuta tube white fleshy translucent
5 lobed. Leaves corrugated. Stamens white

Piperaceae

2062. Peperomia

GH

Herb 1/2 m. tall growing on forest floor in humus. Fleshy. Inflorescence pale green to cream.

Rio Jines

2063. Begonia. Fossmanniae A. DC.
K det Kew 19ff

Climbing herb in forest to 3 m
tall on tree trunk. Flowers pink
orange, wings on fruit drying
brown.

2064. Geogenanthus ciliatus Commelinaceae
vn. "oreja de negro"

■ Succulent herb growing on
forest floor. leaves very dark
green above, almost black. Under-
neath dark purple.

G.H.

23 NOVIEMBRE 1968.

Gesneriaceae
Sarcophagaceae

2065. ~~Brownea~~ ~~sp.~~

vn. "sin igual" A-JP

Herb cultivated in garden
next to Hotel Central, Villa Gar-
zón. Corolla violet. Leaves
dark green.

Umbria

27 NOVEMBER 1968.

Umbria. 13 km south in forest near Road. Forest wet, very dark on hillside. Next to finca "SANTA MARÍA" near El Whiskey. Elev. c. 300 m.

2066 ANTHURIUM HARLINGIANUM CROAT DET. T. CROAT 1988

2066A Anthurium ERNESTII ENGL. DET. T. CROAT 1988

(GH) Epiphyte on side of tree trunk,
herb. Leaf blade 1.10 m. long, in-
F. 2 + grey, thick and leathery.

FOTO Spathe descending stiff somewhat
maroon. Spadix dark salmon
pink, erect.

Profuse ~~mass~~ mass of roots.

(A) Smaller specimen of same sp.?
Fruiting spadix violetpurple. (GH, F)

2067 Anthurium clavigerum Poepp., unusual form, possibly
GH, ~~K~~, K F hybrid with A. triphyllum
^{det. A. Modder 1981.}

Epiphytic climbing herb, 1.5 m tall.
Leaves ~~chartaceous~~ shiny, dark
above, pallid beneath.

Spatha dark purple, descending.
(pendant). Spadix light brown,
pendant.

Leaves palmate compound with
3 to 5 leaflets. Peduncle enclosed
in sheath of petiole.

FOTO

Umbria

2068 ~~Ectatium~~ Homalomena PICTURATA (LINDEN) ANDRÉ¹
Photo GH, ~~VER~~ F DET. R. WUNDERLIN 1995 REGEL

Terrestrial herb 0.8 m tall growing
on forest floor. Leaves simple
coriaceous ~~membranaceous~~.

Spathe enclosing spadix at
the base but free above. Basal
part pink, greenish white above.
Spadix white throughout.

Cyclanthaceae

2069. Climbing epiphytic herbs on
tree trunk.

Inflorescence green, in fruit
ing stage.
GH

Cyclanthaceae

2070. GH Terrestrial herb on forest floor.
about 1 m tall.
"Fruiting inflorescence green."

2071. Piper florencianum Trl. & Yunek. Piperaceae
GHT, US, K det. R. Callejas 1985.

Small shrubs or treelet to 3 m tall
in forest.

Leaves membranaceous, hairy.
Inflorescence + inflorescence
green.

2072. S. ecoloma ^{incognitum} Phytopodiaceae
det. M.T. Muller Mart.
Hairy fern 1.5 m tall on
forest floor.

2073. Trichipteris nigra (Mart.) Tryon DSB 971.
vn. "Simomorphus nigra Mart." ^{non Lam.}

"Semarón bomgush" Kemény
Tree fern 4-6 m tall in forest.
Clear resin sticky, turning
reddish on exposure!

GHT, OL

Umbria

✓ 2074. Brunnea vaupeana Killip leguminosae
GHT vn. "Flor de Palo Cruz".
Tree 15 m tall in forest.
Flowers, subtended by pink-
orange bracts. Petals pink-to
red, Calyx pink turning brown.

✓ 2075. Cymbopetalum brasiliense (Vell.) Benth.
~~Xylophia~~ det. G. Schatz 1982. Annonaceae
GHT, col.
Tree 6 m tall in forest.
Fruits bright yellow green,
shiny.

✓ 2076. Cerpotroche longifolia
Magnia (Poeppig) Benth. Flacourtiaceae
GHT det. Steumer 1980.
Tree 6 m tall in forest.
Fruits culifructores, white
with soft outgrowths of the
bony fruit wall.

neuberthii Macbride det. Mori 1979.

2077. Grias Peruviana Miers Lecythidaceae
G.H. K. det Kew 1975

Tree 20 m tall. Flowers cauli-flourous. Receptacle brown, sepals 4 pink, petals 4 ~~pink~~ creamy yellow. Staminodes yellow. Ovary brown.

Leaves about 1 m long, all near the top of main stem. Unbranched, or sparsely so.

2078. Drymonia umecta Wiesler Gesneriaceae

G.H. det H. Wiesler 1977.

Vine growing on tree trunk. Leaves not obtainable very high.

Bracts bright red, Corolla bright yellow.

2079. Calathea Marantaceae
M. "tigre" rijaguz (Sapa)

col. Herb to 1.2 m tall growing in forest near road. Leaf blade green above dark margin and dark splotched (parallelogram) on light green background, shiny.

Umbrin

Underneath purple splotches and
bluish background.

2080. Brunfelsia chiricaspi Plowman sp. nov.

ECO

Small shrub 1 m tall growing
in ~~dark~~ forest. Leaves smooth
dull dark green above, paler
beneath.

✓ Bark of stem and root indicate
presence of alkaloids. Leaf
also in Dragendorff solution.

Thursday. Thanksgiving. 28 NOVEMBER
Forest about 2 km from San
Pedro - southwest. elev. 250-300m.

2081. Brunfelsia chiricaspi sp. nov.

ECO

UC Shrubs in forest 2 m tall near
F clearing where lived armadillos.
Various plantlets nearby in
dark undergrowth. Plant
cut by hunters but cut pieces

sprouted reddish.

Leaves large, very smooth soft
but firm. Median vein protruding
beneath but lateral veins scarcely
visible above. Dark green above
completely dull, pale green beneath.
Bark distinct due to longitudinal
splitting of epidermis.

2082. Markea pophyrobahest ^{and Solanaceae}
45, G.H.

Shrub growing as epiphyte on
tree, about 60 cm tall. Calyx
3 cm long light green, ~~smooth~~
5 parted flinged, lobes 0.7 cm.
Corolla 6 cm long, lobes recurved
0.7 cm long. Light green at base
becoming brownish toward distal
end. Lobes greenish brown, velvety.
Inside corolla tube reddish dark
brown. Anthers united in ring around
pestil.

Leaves smooth membranaceous

San Pedro

Humboldtia

Stiff and shiny. Large woody
bulb-like structure at the base
from which emerge the roots.

2085 Anthurium aureum Engl. Araceae
G.H. ~~✓~~ F Det. T. Croat 1979.

Herb 80 cm tall found growing
in forest epiphytic on trees and
also on ground, perhaps fallen.
Sp. + pet. green, erect. Spadix
cream colored when young
turning to deeper pale yellow.

2087 Philodendron

Araceae

G.H. ~~✓~~ F

Climbing epiphytic herbs on
small tree in forest. Sp. + pet.
green nearly yellow at distal end
where it forms a hood. Spadix nearly
completely enclosed except the
very tip which protrudes into hood.

San Pedro
~~Honduras~~

K
1035. Solenium jamaicense Witt.

G+us

Shrub (in fall growing near
road in San Pedro) Calyx green,
corolla white, stamens yellow.
Fruit a berry about 1 cm in di-
ameter, at first green → yellow → red
→ black.

San Antonio de Guamués
1 DECEMBER 1968 c. 300 m.
elev.

2086. Ochroma K

Bombacaceae

Flower washed up on shore.

2087. Ficus K, US, S, F, P

Tree 10 m tall along trail
to Santa Rosa. Figs short
1 cm in diameter. Leaves thin
leathery. Creamy white
latex abundant. Figs brown
in color.

2088. Solanum marmellosanum Bitter
K, US, S vel off.
Tree 6 m tall along path
to Santa Rosa. Trunk 6 cm in
diameter. Corolla white 12 mm long.
Calyx white. 5 mm long. Anthers
yellow. Fruit green oblong.

about 15 m n

2089.

GIF, K

Apocynaceae

Small treelet 3 m. in shady
dark forest along trail to Santa
Rosa. Leaves membranous.
Fruit yellow orange about
4.5 cm, round, paired. Seeds
many, black. Abundant
milky juice.
Inside portion of ripe fruit
edible.

2090. Brunfelsia grandiflora D. Don
Eton subsp. Schultesii

A Shrub 1 m tall growing from
stump 2.5 cm in diameter
along fence row in pasture-
plot to Santa Rosa. Pedicel
5 mm, Calyx 9 mm, corolla
tube 20 mm, corolla limb
37 mm across, deep violet,
white at throat. Leaves rubbery
shiny, pale beneath.

Rio Guanapes

2691. Brutelia grandiflora D. Don

INPA

Subsp. schultesii

CCB

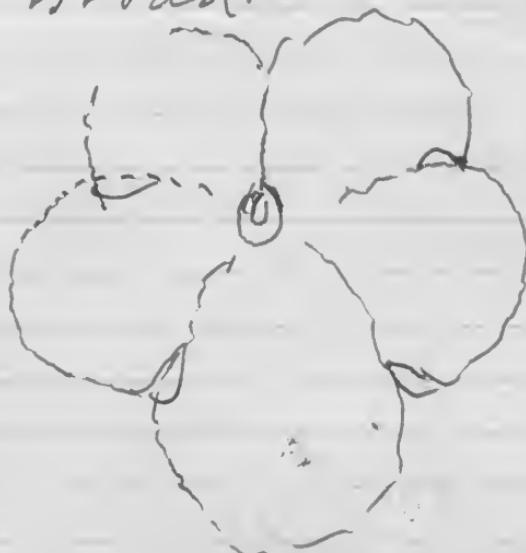
A-SP Large shrub 4 m tall in Plaza
de Janta Rosa. Trunks about
10 cm in diameter.

Leaves on old growth small
and coriaceous those on new
growth large and membranous.
N.B. Prominence of lateral veins.
Leaves shiny dark above, dull and
pale beneath.

Pedicel to 7 mm, calyx to about
12 mm, teeth 2 mm long, corolla
tube 2.6 cm, the limb reaching
46 mm x 40 mm, slightly longer
than broad.

K
uc
P
M
LE

(A)→K



No odor.
Color deep
violet →
white

2 DECEMBER 1968.

TRAIL FROM Santa Rosa to ~~Pied~~
to Ormiga (under construction)

2092. Brunfelsia chiricaspi Plowman sp. nov.
Econ. "Chiricaspi" covi tsontinba'k'o' kojox'

A

Shrub to small tree really
3 m tall (4m) in very shaded
forest (mature more or less) the
stem to about 5 cm. in diameter.



K
US

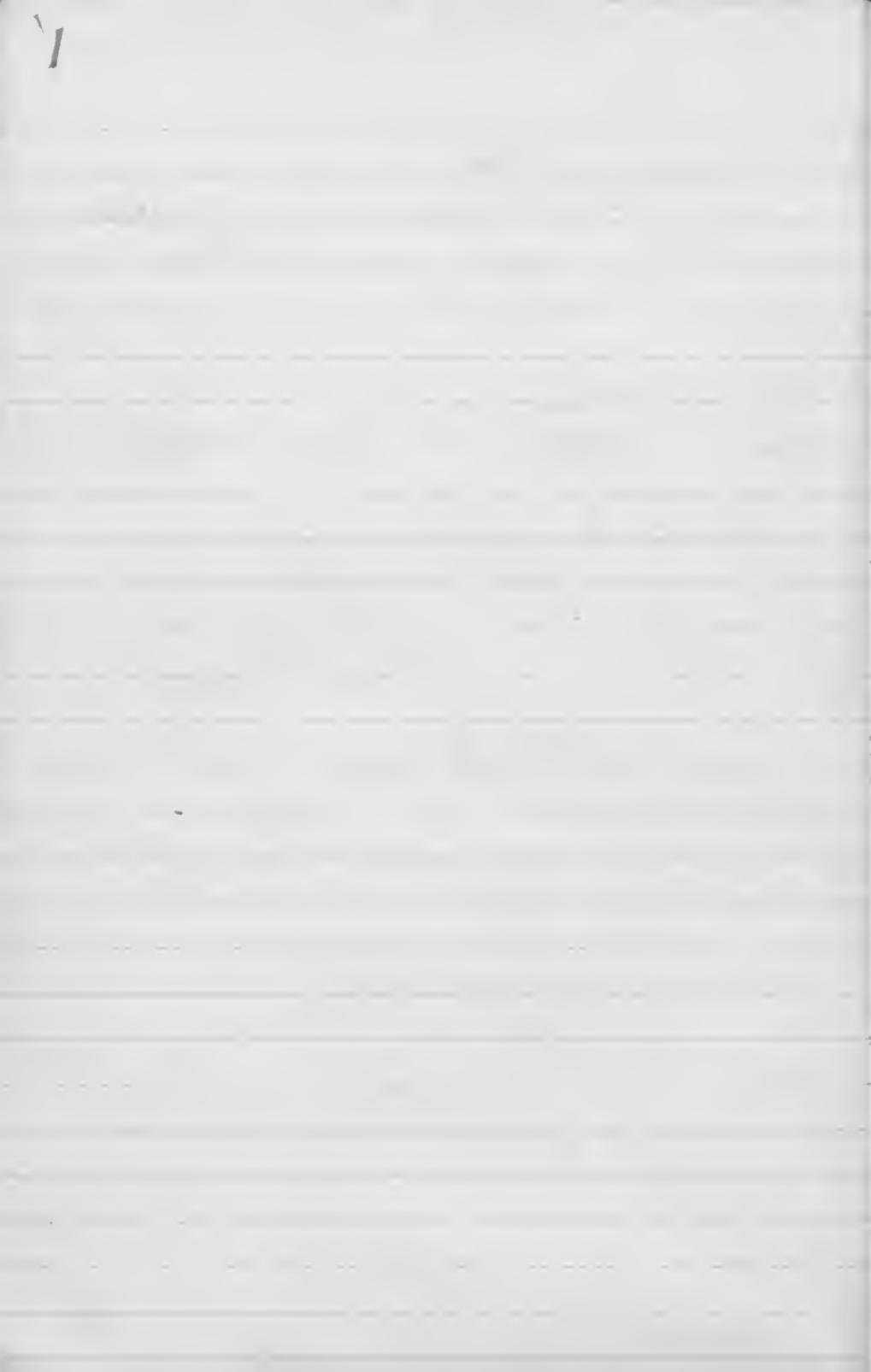
F
P



NY
GB

Stems + Bark → ECON products.

Sr. HECTOR CRIDWELL
SANTA ROSA



Rio Guanués

2093. Piper
G+
K

Piperaceae

Herb 3 m tall, single spindly stem in dark forest. Inflorescence erect, brown.

USE: mixed with Gongibe'cu for curare - arrow poison.

2094. Ocotea venenosa Kosterm. + Pinkley Lauraceae

vn. "Gongibe'cu": Kofe

Tree about 35 m tall in forest. Fruit plentiful on ground beneath tree, also seedlings. young

Odor of bark very aromatic / typically lauraceous.

USE: for arrow poison. The bark is boiled in water in a well sealed pot.

Bark very bitter

ECON, INPA, K,

Solanum sp.

2095. Besleria sp.

GH, K, US

Slipperiferous herb 2.5 m tall.
Leaves coriaceous. Flowers in
clusters laterally. Calyx green,
Corolla yellow, 5 lobes.
Stamens 5, 2 long, 3 short attached
to corolla tube. Anthers white,
or very white.
Fruit a hairy berry, green.

Solanaceae

2096.

Moraceae

Herbs about .80 m tall. Flowers
white. Leaves green with
darker green splotches (paired
laterally) on the blade. Pale
green beneath.

2097-

Moraceae

herb about 20 cm tall on forest
floor. Flowers white. Leaves dark
green above with light green

Río Guanapes

stripe along median vein. Purple underneath without markings.

P. CF. ALBA R. & P. (C. W. HAMILTON 1992)

2098. Psychotria alba R&P Rubiaceae
Glt, K det DR Simpson 1972

Small straggly tree about 4 m tall in forest. Leaves smooth membranaceous. Glyx and Corolla yellow (lemon). 5 Corolla lobes. 4 stamens with white anthers.

2099 Solanum supranitidum Bitter

Glt, K, US, S, F, P

Tree 5 m tall along trail to river near Santa Rosa. Sepals white, petals white reflexed. Antheps yellow.

det. S. Knapp 1985.

2100. Solanum

GH

Herb 46 cm tall in forest along
trail to Cerreteria from Santa Rosa.
Sepals dark green. Corolla lobes
5 greenish, slightly Zygomatic.
Stamens Strongly Zygomatic, 1
anther large, extended the other
two smaller  yellow.

Fruit a berry greenish yellow
with 4 green stripes  Round.

Chiricaspi -

About 1 lb of scraped bark.
Dip in cup of water little
at a time to extract
liquid from bark. Color
of product - brownish very
similar to yage.
taken at sunset.

Effects : After about 10
minutes tingling sensation
in the lips followed soon
after by sensation in the
fingers. Tingling at the
same time vibrating.

Tingling as if part of
body fell asleep as a dog
or fast and of waking
up.

Next follows tingling
in the mouth and upwards
in the face. Later the hands,
the tongue, the feet, the
elbows and the region
from the shoulders the
length of the back of the
neck. After one hour
the feeling nearly general.

throughout the body back
legs all of face, lips and
hands and back of neck
the strongest. But not as
thoroughly, effecting mainly
directly & its the vibrations
from the skin which work
the together are serving
to tone the mind.

Occasional chills but
mild and not really
cold. More like a sensation
of vibrations underlying
through the body. Now the sensations
are the same as by the
head in general vibrating
tingling, moving the
head and hands increase
the sensations. Urge to
spit periodically from
beginning. Vibrations
somewhat electric now
penetrating chest and
back. Thinking still
fairly clear.

One hour later: acute Stomach
pains. No exp. possible to -
Guitar. Tingling extreme
in hands, feet and
head. Headache, feeling
also bitter taste in
mouth. SENSATION of cold
but vague. No shivering
or chills.

Later: Tingling and dulls general
throughout body. Dizziness, no
nerves. Loss of coordination.
Nausea also but no vomiting.
Walking very difficult - everything
spinning. Terrible pains in stomach.
Sleep comes eventually after
walking home with great
difficulty.

Next day extremely weak and
dizzy all day long. Keep falling
over.

R.-Guamán's

3

3 DECEMBER 1968.

TRAIL from San Antonio to Santa Rosa.

2101. Theobroma bicolor Humboldt & Bonpl. Sterculiaceae
var "cacao silvestre" K

Tree 8 m tall on edge of town
San Antonio. Fruits large elliptic
12 cm in diameter, 20 cm long
yellow at maturity. Pulp sweet,
smelling of mango but insipid to
the taste. Fruits borne on smaller
branches, not on trunk.

2102. Ficus

K

Sapling in corn field about 2 m
tall. Pith solid. Juice cloudy, but
not very white. In full sun.

2102A. Ocotea venenosa

(1) FR. on forest floor.

F

Ris Guenner

2103. Ficus

K., US

Szplng 3 m tall in forest, shady.
Pith hollow. Abundant white
milky juice.

2104 Cassia

(Cesalpinoaceae)

GH, K, US

Tree 5 m tall along trail on
edge of forest. Petals yellow orange,
inner yellow turning dark brown,
pinkish green.

2105.

(Apocynaceae)

GH, K, US, S

Shrub 2 m tall in forest. Flowers
creamy white. Petals aestivated
Counter-clockwise in bud. In shade.
Sporge milky juice.

2106. Psychotria ernestii Krause Rubiaceae
K, US, S DET. D. SIMPSON 1972

Shrub 3 m tall in 2^o growth in
bottom land along river (Río Guavié).
Corolla tube creamy white, stamens
brownish, style white.

P. ERNESTII KRAUSE VEL SP. AFF.
DET. C. W. HAMILTON 1992

2107. Acalypha Euphorbiaceae
GH, K

Tree 4 m. tall in 2^o growth
along river. Male flowers yellowish
green, female flowers green.

6 DECIEMBRE 1968. - San Antonio

2108. Besleria variabilis Morton Gesneriac.
GH, BH, DUB.

Herb 1.5 m. tall growing along
path to river. Flowers waxy. Petal
orange; 5 corolla lobes unequal.
Fruit a capsule the walls of which
split unequally reflexing to re-
veal central placenta. Contains
many seeds.

Río Guanués

✓ Trail from San Antonio to Santa Rosa.

2109. Justicia petianthia Leonard Acanthaceae
us vij. "Col de monte".

Shrub 2 m tall in shade
in forest. Corolla bright pink
to red. b: 12, biset, secrete at the
base. Style fused to upper lobe
for most of length. filaments
2, each with 2 anthers, the lower
anthers fused.
foto det. T.C. Human

✓ 2110. Jussiaea us,s

G# K. "Shinreviaja" (Kamsa)

Vine growing in forest climbing
in 2° growth. In shade. Fruits
orange with 2 hard stones inside
like orange. Fruits about 13 mm
across, spheroid. Herbaceous
or semi woody.

✓ G#K, us, s

2111. Urera

Urticaceae

Tree 5 m tall in forest shade.
Achenes green. Receptacles pale
green, very fleshy. Stings a little
vn: "ortiga blanca"

2112. Markea
GH, K

Solanaceae

Epiphytic Shrub 2 m tall, weakly
climbing in Crotch of tree.

2113. Philodendron

Araceae

GH, ~~K~~ F

Vining aroid climbing on tree,
with long runners trailing
to ground. Abundant milky
juice. Spathe green, fruiting
spadix white.

Schizmatoglottis spruceanum (Schott) Bunt.

det. T. Plourde 1982.

Dieffenbachia sp. nov.

2114. Homalomena? det. M. Madison

Araceae

GH, ~~K~~ F

Terrestrial herbs on forest floor.
Spath dark green completely
enveloping spadix. To about
0.5 m tall.

Photo

Río Guanáes

2115. Scutellaria coccinea Kunth. ~~Scrophulariaceae~~
US, K det DeWasshoven Sept 1972 Labiateae

Herb on forest floor to 1 m
tall. Corolla bilabiate red to
pink

2116. Dichorisandra sp. Commelinaceae

GT, K

Herb on forest floor along trail
about 1.5 m tall. Sepals white
fleshy. Petals membranaceous
white at base, purple-tipped.
Anthers purple. Flower slightly
zygomorphic. Fruit a berry,
fleshy, purple, sepals persist-
ent in fruit.

2117. Vismia sp. aff. SUBCUNEATA Guttiferae

GT, K, US, S, F DET. H. K. ROBSON 1992

Tree 5 m tall along trail near
river. Sepals brown, petals
white. Anthers many, fascicled
white. Bright orange juice in bark.

Fruit green turbinate, sepals
persistant.

2118.

GH

Cyclanthaceae

Vining herb on tree in forest.
Fruit green. Plant about 1.5 m
high.

2119 Ficus K, us

Tree in shady forest 7 m tall
with few leaves at tops. No figs.
Abundent milky juice in bark!

2120. Ficus K, us , S, F

Tree 25 m tall along trail near
San Antonio. Figs smooth to about
3.5 cm in diameter. Milky juice
in figs abundant but scarce in
stem s.
var. "higeron"

Orito

Orito, Putumayo. 11 Diciembre 1960

Rio Calderas, in forest near
Road. Forest had been cut it seemed
probably for large trees only.
Elev. 300-400 m.

✓ 2121. Prestoea sp. Palmeae

BH, A, K det. H Moore 1972

Small tree 4 m. tall in forest,
trunk 1.5 m tall, leaves to 25 m
tall. Inflorescence ~~lateral~~ bright red.
Subtended by long bract. Fruits
red, about 4 cm long. Branches of
inflorescence straight not curved
or pendent.

✓ 2122. Acalypha Euphorbiaceae

G, H, K

Tree growing along stream in
forest 4 m tall. Trice clear.
♀ flowers pale green, ♂ flowers white.
Inflorescence pendant.

Howard Pfeiffer.

2123. Triglochidium

GH

Triglochidaceae

Tree 12 m tall, in forest.
Flowers emergent from the woody
stem, leaves at the top in tree bands.
Flowers with Calyx 15 mm long, creamy
white, Corolla 90 mm long, tubular,
limbs about 45 mm long, tube about
45 mm, Colored with white "cross -
hatch" on a dark purple brown
background.

sp. nov. ined.

2124. Nautilocalyx pflummarii Wiehler Geigeriaeae
GH det H. Wiehler 1977.
Low herb on forest floor, somewhat succulent. Sepals light green with
purple spots, Corolla white,
Tubular, about 5 cm long, the
limbs spreading to 3.7 cm. yellowish
inside the tube. Stigma ♀, anthers
brownish, filaments white.

Orto

2125. Dieffenbachia parlatoresi Linden André
Cf. ~~AN~~, K, US, F

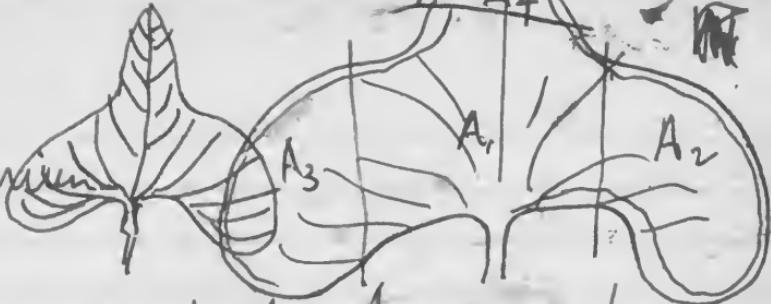
Araceae

Terrestrial herb growing in moist low places in forest and along streams to 1 m tall. Leaves to 1/2 m long with very thick medial vein which narrows toward the tip. Inflorescences rising from the center of the rosette of leaves, fairly tightly compacted.

Spath green, completely enclosing spadix and united to it for half the length, thus female flowers on one side whereas male flowers occupying upper half of spadix completely encircle it. Ovary light green with yellow stigma; stamnodes white. Male flowers creamy white.

Latex creamy white with strong odor of skunk.

2126 *Anthurium*
GH, ~~WT~~
F-3



large epiphytic herb on tree
trunk about 2m tall. Leaves
large. Shape as above. Spatha
light green erect, spadix bright
Red-Pink

COL

K

GH

~~Brassicaceae~~

2127. *Cochliostema*

~~odoratissimum~~ Lemoine

large epiphytic rosette plant on
side of tree trunk. Leaves one meter
long. Flowers axillary, the spathe
pale lavender, the petals light blue,
fringed at the margin. Stamens
enclosed in double whorl sacs lavender.
2 fringed staminodes white. Base
of fertile stamen with bright orange
hair-fringe. Ovary white, style
lavender.

Also seen cultivated in garden
in Puerto Rico!

Oriental
Warszewiczia

Warszewiczia coccinea

2128 ~~Cordia elliptica~~

Rubiaceae

G, H, K, L, S, F

Tree 10 m tall with a trunk
8 cm in diameter. Calyx green with
one lobe or some flowers greatly
enlarged into a colored bract (red
Petals yellow orange.

2129. Solanum

G, H

Small shrub-herb growing along
river bank. Flowers small. Corolla
greenish white reflexed lobes,
2 mm long. Antheres elliptic yellow
1 mm long. Fruit a berry, the
fruit wall rugose with a
wrinkled appearance when fresh,
also firm.

*Analysis

2130. Markea porphyrobaptes Sanders Solanaceae
ex char.

GH

Epiphytic shrubs on side of tree trunk 1.0 m tall. Flowers pendant underneath the leaves. Sepals 4.5 cm long; Corolla tube 9 cm long, the lobes 8 mm. Corolla creamy colored with tint of green outside. Tepals dark maroon red.

MARKEA PLOWMANII HUNZIKER [TYPE]

KURTZIANA 25:102, 1997

2131.

Small herbaceous fern growing on bank of stream in forest.

\ Balbitis oligarchica (Baker) Henripman

2132.

Balbitis sp. nov.?

Hypoxidaceae

GH

Terrestrial fern about 1 m tall, dimorphic fronds growing on floor of forest along stream.

det. Henripman 1972

Orits *(Chemidaria evanii)* ^{vel ff.} R. Stolz 1971.

(*Chemidaria*) 11 Dec 1968.

2133 *Hemitelia subincisa* Kuntze ^{? ?} G. H. vee
F, GH, COL.

- Terrestrial fern about 1.5 m tall.
Fronds once pinnate, the pinnae
lobed. First pair of pinnae sterile.

2134 *Rapatea muaju* Garcia-Barrera et Mora ^{et Mora} *Rapateaceae*

GH, K, US det. T. Brownman 1973.

Terrestrial herbs on forest-
floor. Inflorescences rising from
rosette of leaves 1.2 m long, with
a sheathing broad base. Inflorescence
subtended by two subequal bracts.
Flowers chaffy.

2135 *Anthurium aureum* Engl.

GH, ~~det.~~ F. det. T. Coet 1979.

Terrestrial herb 0.5 m tall. Spatha
green perpendicular to erect
white Spadix.

2136 Pityrogramma calomelano
widespread
Terrestrial fern growing as a
weed in clay area near road side.

2137 Dimerocostus
~~Strobilaceae~~ Strobilaceae O. Ktze. Lung-herbaceae
"Conagria" det. Maas. 1972. Utrecht
Herb 1.5 m tall growing near
edge of woods. Corolla tubular
white.
use: Para fibres el galito se muela con
agua fria; Toma Crudo.

2138. Pentagonia spathocalyx Rubiaceae
K. Schum det. Simpson 1973
Small tree near roadside in cut
over area 5 m tall. Fruit a
green berry about 3 cm in
diameter.

Orito

2139. *Polyodium bifrons* Hook. var. ~~bifrons~~ willde 1968.
G.H. Epiphytic fern growing in large shrub along roadside. Fle ~~is~~ succulent stems developing large (3 cm in diameter) succulent tubers which serve as ant houses. Aut plant. In hot sunny area. Flonds many-branched.

Puerto Aisis. 13 Dec 1968. Friday.
In environs of town. Elevation 260 m.

Photo
2140. *Mondesa* ~~zeyheri~~? *dubia* (HBK.) Engelm.
G.H., ~~K~~, K, US, S, F Krause
Epiphytic climbing herb. 2 m tall.
Mature spadix tan colored (buff)
about 14 cm long. Leaves large
perforated. Growing on small tree
along hedge row.

det. M. Madison 1977.

2141. Ficus.

K, US, S, F

Epoxyphytic shrub-tree growing on Inga sp. along Trail. Milky latex. Leaves dull green. Figs green with longitudinal brownish markings, about 1.2 cm long, the knob 2 mm long and dark brown.

2142. Physalis angulata L.

ECO M. "huilla"

G+ Herb 0.5 m tall in pasture Corolla yellow. Calyx lobes green with purple veins in fruit.
det. T. Plowman

2143.

nu. "albaca"

Habitat

- Herb 0.5 m tall growing in pasture. Corolla white. Strong aromatic odor.

ECO

Puerto Rico

→ *P. deflexum* Poeppig

Photo det T. Croft 1985.

2144. Philodendron cf. panamense K. Krause

GH, ~~DK~~, K, F

det Kew

Epiphytic herbs on small tree
along fence row. Leaves large
to 1.4 m long, 0.7 m in the blade
0.7 m in the petiole. Spadix erect.
Spathe green outside, inside white
above with red markings, open at
flowering, beneath deep blood red
completely enclosing spadix.

Spadix greenish yellow beneath,
cream white above.

Sap clear colorless sticky with
resinous odor.

Photo

2145. Xanthosoma

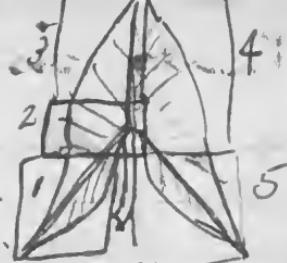
Ctl VII. "sicse"

"pascadera"

"tojjo xomus" (Kausa)

F Terrestrial herbs 2.5 m tall in
swamp area in forest (2').

Leaf blade about 1 m long,
septate. Spathe completely
surrounding spadix, spathe white
above, green below outside. Inflorescence
white above, deep reddish purple
beneath. Spadix ♂ + sterile part white,
beneath, ♀ flower bright orange.



2146. *Urospetala sagittifolia* (Rodol.) Schott
G.H., ~~K.~~, K.F. det. M. Madison 1981.

Herb to 2.5 m tall growing
in Swamp in woods (♂). Spatha
outside greenish + brownish, inside
light cream to green above.
Spadix .13 cm long, brown.

*Custaceas

(Gleeson) Custrec.

2147. *Matisia Quararibea longiflora* Bombacaceae
G.H., K., US, S. det. B. Alperson 1985.

Tree 8 m tall in forest. leaves
large papery. Flowers horizontal,
sepals brown, petals and stamen
column yellow. Fruit a berry
or capsule 5 cm in diameter round
with a small knob at the end.

2148. *Philodendron*
G.H. F

Herb 1 m tall climbing on small
tree in forest. Spatha green, com-
pletely encircling Spadix, 9 cm
long.

Puerto Asis

2149. Stromsathe

Marcantaceae

GH

Col. Herb 1 m tall in 2ndary forest floor. Ovary yellow orange in fruit, Sepals green. Petals white.

2150. Parianasp.

Gramineal

us, GH ~~det. T.S. derham~~

Herb growing in forest.

Puerto Limon 16 Diciembre 1968

Elev. 370 m.

2151. Brunfelsia grandiflora ssp. Schultesii
K. Vn. "Chiri Cospí" (selvaje or picura.)
Elev. 370 m. Shrub 3 m tall in fence of
Venancia Buesaquito, growing among
plantains and yuca. Said to have been
brought from the mountains and
planted here. Corolla deep violet
to white. Ants -

INPA, A, F, Mo,

2152 Phylanthus acuminatus Vahl
A-JP Van "Hinto barbasco" det. T. Plowman
KUS Shrub to treelet 3 m tall planted
cultivated in finca among plantains
and yuca. Flowers small the sepals
greenish to cream, unisexual but
both types ♂ & ♀ on same tree.

USO: the crushed leaves are used
for poisoning fish, are thrown
in the river.

2153. Clibadium Alpestre Compositae
A-JP Van "barbasco huitoto"
KUS Shrub cultivated in finca;
about 2 m tall. Corolla white, anthers
black. In fruit, the bracts becoming
fleshy and black enclosing the
several achenes.

Puerto Llaman 16 Dec 1968

5

2154. Herrania breviligulata R.E. Schultes & Schultes P. ciliaceae

A, INPA, K

Small tree 5 m tall in (garden)
farm. Flowers cymiflorous, the
younger toward the base of trunk.
Single trunk, leaves 24 at top,
3 Sepals pinkish brown outside, (top
pink inside (above)) 5.5 mm. wide with
a flattened base covering 2 stamens
with long extended portion coiled
inward at the tip, ~~black~~ pink.
Petals 5, pink. Ovary white,
Style pink.

Fruit velvety, 8 cm long,
with 10 ribs, 5 large, 5 small.

(Howard Pfeiffer)

2155. Aristolochia

G+T, K

Vine climbing on cotton stump
in farm garden. Hairs of corolla
spotted with dark maroon and
bright yellow background on
inner surface. Flowers 8.5 cm
long, the corolla 7 cm.
Fruit 13 cm long, a berry capsule

✓ Couroupita guianensis Aublet det. S. Mori 1985
2156. Couroupita guianensis, Euphytidaceae
"coco sachapura" G4, Econ, K, US
large tree 25-30 m tall along edge
of field near road at Puerto Limón.
Flowers Cetiflorous. Receptacle
yellow. Sepal ^{yellow beneath, waxy flesh} pedidid. Petals deep
red. Filaments bright pink.
staminodes and column white.
Flowers 14 cm across.
Fruits woody to 20 cm in
diameter.

✓ 2157. Croton lechleri Muell. Arg. Euphorbiaceae
G4 "sangre gao"
Small tree 10 m tall along
roadside at Puerto Limón. Petals
greenish-white, stamens white,
very green.

us: El sumo sirve para dolor
de las muelas.

Econ, K, US

Deu 300-350 m. A. YOCOPENA.

17 Diciembre 1968. Rio Coqueta. Limon Abajo.
2158. Bauhinia sp carpa (Spruce) Morton
US n.n. "yage"

ECON, K Begnos de 5 m. de altura
US Cultivada a lo largo del río.
No tiene flor. Leaves medium
green above, medium to not
shiny, pale green underneath.

→ Diplopteryx cabrerera (Cuatr.) Gates det. B. Gates
1882
2159. Bauhinia sp rufibrama (Niedenzu) Morton

US m. "Chagro panga"
ECON, K Begnos de 3 m de altura
Cultivated in bosque. Hops
verdes obscuras brillantes
Shiny pale green beneath
stiffer than 2158.
Less vining in habit than 2158.

✓ Solanum supranitidum Bitter. det. S. Knapp 1985.
2160. Solanum cf. orgyale Morton

Gt, K, US, S
Small shrub to tree 3 m tall
Strong smell. Petals white
Sepals white; Ovules yellow.

2161.1 Dioscorea

vn. "mesamymime"

Vine growing along trail to
yacopeta from Puerto Limon.
Petals green, anthers yellow.
In 2^o growth.

ECON, K, HS, S, F



2162. Chlorovica palmata R. & P.

Glanthaceae

vn. "iraca"

ECON

Herb to 3-4 m de altura
growing along lowland near
rivers. Terrestrial. Spadix
green to cream at maturity,
the ~~seed~~ fruits bright red or orange

vn. leaves used for thatching
of s. young leaves used
for fibers to make hats etc.

Puerto Limon

2163. Solanum
GIT var. cojaca

Tree 15 m tall in 2^o growth.
Corolla lavender, anthers
yellow, tapered.

I. DE ALFONSO JODOR, GOBERNADOR
PUERTO LIMON
y/o DON ISMAEL.

18 Diciembre Trail to Yoroeña.
2164. Aphelandra aurantiaca (Scheidw.) Lindl. ~~Apocynaceae~~
GIT var. Stenophylla Standl. ~~Acantaceae~~
Herb growing on forest floor.
Corolla bright orange. Deep shade.
det D. Wasshausen 1973

2165. Croton
GIT, K, US

Euphorbiaceae

Tree 8 m tall along river,
fl flowers green, dry with
6 stigmas.

2166. *Siparuna* *Monimiaceae*
in "mangalpa caspi" GH, K, US, S
Tree along river bank trail 7 m
tall. Fruits whitish with red coloring
fleshy but succulent. Aromatic odor.
Fruits pendulant.

2167. *Garcinia*
vn. "peyza del monte"
Small treelet 2 m tall
along trail. Petioles hollow; c
with juice. Flowers creamy
white, anthers yellow.
Econ

= *G. affinis* Standl. ex Steyermark ^{det Simpson 1976}
(HBK.) Standl.

2168. *Gonzagalagunia cornifolia* *Rubiaceae*
GH, K det D. Simpson 1972
Shrub 3 m tall along trail.
Corolla white, 15 mm long, 4 lobes,
recurving slightly with age.
Berry white & sour in taste.

Puerto Limon

2169.

CH, K

Mimopern

Vine climbing in 2° growth along trail. Fruit 8 cm in diameter, green with 4 ribs at the corners, quadrangular, 4 large seeds inside.

2170. Pentagonia spathocalyx K. Schum. Rubiaceae

det D. Simpson 1973

Shrubs 2 m tall in 2° growth along river. Flowers 5 cm long, white, the lobes of the corolla pink. Cf. # 2138.

2171. Brugmansia grandiflora ssp. schultzii

ELD. Mu. Piura Chiricay

Cultivated shrub in house yard - 2.0 m tall (Voravio Buesquillo) along river. Calyx 12 mm long, corolla tube 2.7 cm, corolla limb 10 mm across

2172. Tessaria integrifolia R. & P. Compositae
Gff ym. " det. Cuatrocáscar

K, US Shrub to 2.5 m growing in
sand washes along Rio Ciqueta.
Corolla violet, bracts brown.

2173. Calliandra augustifolia Spruce Mimosaceae
Gff, K, US det. Cuatrocáscar 1/2/69

Shrub to 3 m tall along river,
on beach among pebbles and
sand, forming thickets. Peculiar
horizontal branching habit.
Stems conspicuously, the fila-
ments white at base, pink
distally.

Río Cequita

19 DICIEMBRE 1968, FLORESTA, 15 Km from
Puerto Lemos By foot 300-350 m.

2174 Brunfelsia grandiflora ssp. Schultesii
Vn. Chiricaspi "Picudo"

Econ.

Shrub 2 m de altura a lo largo del
camino entre plazas. Silvadre
no es en corredos, dejado. Flores
moradas claras. Calyx 1.2 cm
largo, tubo de corolla 2.8 cm,
lóbulo de corolla 4.5 cm macrost.

2175 Brunfelsia grandiflora D. Don
ssp. Schultesii
Vn. "picudo Chiricaspi" (Inga).

Econ.
A Arbusto 1 m de altura a lo
largo del camino entre plazas.
Fruta 1.5 cm en dia-
metro, verde.

UC

MG

WS

BR

RB

Lima, Peru

20 Diciembre 1968. Flores.

Near finca of Francisco Ayala.
↓ Growth forest alt. c. 300 m.

2176. *Juzumuloa ochracea* Cuatr. Solanaceae
var. "ayahuasca" S, Ecat, Gt, LE, UC, US
Bebéjucos 3 m tall epiphytic or
faller tree. Calyx red, 5 parted.
Corolla tube yellow. Stamens 5
~~pressed~~ against Style. Stigma
greenish. Corolla 5 lobed, very
slightly zygomorphic, lobes recurved.
Uso: trunk and leaves serve
for wounds.

Leaves thick, leathery.

INPA

2177. *Diplopterys cabrerana* (Auct.) Gates
Bauhinia rugosa (Ndz.) Morton
var. "Chagrapanga" afelpado
Bebéjucos 10 m tall, trunk to
15 cm in diameter. det. B. Gates 1982.
ECON

Uso: the leaves are mixed with
yege for seeing things, colors,
etc.

det. J. Cuetacasa
2-I-1969

R, US, S, GA.

Río Coqueta

2170. Solenum, K, US, S, " or Cyphomandra?
GH vu; "chopu muyu"
Vine-herbaceous growing in 2°
Growth along trail. Flowers yellowish
(green, anthers yellow, acuminate).
Fruit a large green berry, pen-
dulous, 4.5 cm in diameter, round,
bright green. Spiny.
uso: la pepa se usa contra la goma.

2179. Solenum ^{Peptopodium} van Heurck + Muell. Arg.
US, K, det. S. Knapp 1986.
GH vu. "Salado Sacha"
large herb (shrub) to 2 m tall
along trail. Flowers with white
petals, reflexed. Anthers yellow,
truncate apex.
uso: the leaf is cooked in water and the
water used to bathe skin irritations.

2180. ~~solanum~~ Cyphomandra, K, US, S, P
HARTWEGII (MIERS) WALP. SUBSP. HARTWEGII
Shrub or large herb 2 m tall along
trail. Petals greenish fleshy somewhat
what. Anthers acuminate fleshy
Globose. Fruit elliptical berry
8 mm long, green. DET. L. BOHS 1986

Tetrathyllum macrophyllum Poeppig

2181. R, US. det. Steumer 1980. ~~Euphorbiac.~~?
vn. "Cequra Sacha" GH

Small tree 4 m tall in 2°
Growth. Ovary with 4 "bulbs" at
base, red. 4 stamens white, stigma
green. Inflorescences pendulous.

2182. Martinella obovata (HBK.) Bur. + Schum.

MO vn. "yugüller" det. Al Gentry 1972
ECON. K Vaca being young in 2° growth,
1 m long. Herbaceous.

use: the roots are pressed and
the juice is used for disease
of the eyes - Cequra. Contra la
chata.

2183. Brunellia P, MO, RB, BR.

ECON. vn. Chiricospicudo
US Shrub in forest 1.5 m tall near
small stream. Area coming back
after destroyed by hurricane.
Three small shrubs in group,
but nowhere else nearby in forest.

Rio Cequeta

leaves large, ^{dark} coriaceous, smooth.

2184. Brunfelsia

BROWN. "Picudo Chiri Caspi"

Mo Shrub in forest 2' growth
thicket. Seeds of #2183, dif-
ferent plant.
ECON

2185. Solenium ^{of} uleorum Bitter

GH

Herb 1 m tall along path in
forest. Flowers small. Petals green
reflexed. Outhers yellow, fresh -
cette.

2186. Ischnosiphon

Mauraceae

Herb 3 m tall along trail.
Flowers lemon yellow.

Clavigerum Poepp. Det. Madison 1979.

2187. Anthurium? pendulum Mart. ex Schott.

Gt. vñ. "coneja chupo"

K } herbs climbing on tree. leaves
F } large palmate, the leaflets ~~are~~
 innately lobate. Sp. the pendu-
 lous reddish purple. Spadix
 brown.

2188. Sporanthelium

Hernandiaceae

Gt.? vñ. "chunduhuesca"

ECON: Bejuco en bosque. Corteza es
sumergida, 2 m tall.

Uso: pandistrelo, la toz, dolor de
la cabeza y de estomago.
El bejuco se cocina en agua.
una copa se toma.

Wood Lab.

2189.

vñ "hinahuesca" (Inga) "ambur" (Cast.).
Bejuco in forest.

Hut Wood LAB

Uso: Toma agua fresca para

Rio Cequeta

fríjoles, pulmones, y para
 fiebre.

2190. Cyperus Cyperaceae
 "m. Glentura chondur".
 GT Herbs 1m tall Cultivated
 K in front yard. crushed.
 us: the tuber is used for
 tonics, Enzmover, mighdrum-
 ga, fiebre, etc.

22 Diciembre. Puerto Limon. Sw.
 2191. " 370m.
 m. "maui brasilero" "inchi brasiliensis"
 Vine cultivated in garden
 of Don Ismael Lopez. Petals (Sepals)
 creamy white. Fruit 5 lobed
 to 5.8 cm across, 2.5 cm long.

VS. the seeds are roasted and
 eaten like peanuts.

ECON
 K

2192. *Erythroxylum novogranatense* (Morris) Hieron. *coca*
vn. "coca" Det. T. Plowman
Shrub 2 m tall cultivated in
garden of Don Ismael. Flowers white,
fruits red.
ECON, K, COL

2193. *Manihot esculenta*, Euphorbiaceae
vn. "yuca" Baileya
Shrubs 2 m tall Cultivated in
garden of Don Ismael: Corolla
green, the lobes pink. Fruit
green with red coloration.
ECON, K

24 Diciembre

2194. K, us, S, F Papilionaceae
Erythrina poeppigiana (Wolpers) G. F. Cook
Tree in 2^o growth in Puerto Jimon
about 10 m tall. Corolla bright
red-orange
det. Kruckhoff 1976.

P. Limón

26 Diciembre Puerto Limón.

2195. Hydrodeis nymphoides (Willd.) Buch.

GHT, K, US

Floating aquatic herbs in pool along Rio Chiriyacu. Petioles and leaves succulent. Petals pale yellow, deeper toward the center.

2196. Cardiospermum

Sapindaceae

GHT, K, US, S

Herbaceous herb climbing on fence near Rio Chiriyacu. Petals white, stamens yellow. Capsule 3 lobed green. Seeds blue.

2197. Bunchosia armeniaca

Tulipaceae

var. Ciruela ECON K US

Small tree 4 m tall in garden of Cermela Muñoz, Puerto Limón. Petals pale yellow, glands yellow. Fruit bright red, edible.

2198. Melia Azedarach L.

Vn. "jazmín de luto" ECON K US

Shrub to tree 6 m. tall, cultivated in garden on hill overlooking Puerto Lirón. Petals pink (gale), "stamen column" deep lavender.

Fruit a capsule.

uso: planta ornamental.

2199. ~~Celantus~~ Eryngium foetidum L.

Vn. "celantro" "Celantro cimarron"

Medicinal herb cultivated in houseyard. Strong odor of celantro.

uso: para varias enfermedades:
color del estomago, rheumatismo,
inflamación de riñado. La hoja
o la raíz se cocina en agua.
ECON

2200. Chenopodium ambrosioides L.

Vn. "paico" ECON K

Straggly herb cultivated in house-yard.

uso: the ^{green parts} seeds or the roots are used
as an effective purgative. The

Fusagasuga:

plant is cooked in water, the remaining liquid is drunk when cool.

31 Diciembre 1968.

Fusagasuga: Finca La Negrita
Elev. 1746 m.

2201. Brunfelsia ~~maiflora (Poe)~~ Don.
ECON australis Benth. det TP 1980.

Cultivated shrubs 2 m tall in formal garden near house. Corolla deep violet to white, when fading showing violet veins, lobes somewhat recurved, irregularly shaped (mutant), limbs simple, mouth of tube resembling insect face, no white ring. Calyx inflated my flowers smelling strongly of lilacs.

Leaves small

Corolla	5.4 cm across	Calyx
limbs	3.0 cm long	tube 1.4 cm
tube		teeth 0.4 cm.

2202. Browallia americana L. Solanaceae

GHT

Herb 30 cm tall growing as a weed in waste places around garden - in sun and in shade. Korolla deep violet.

12 JULY 1969. c. 11000 ft.

~~11000 ft.~~ Bogotá

Cerro Monserrate

2203. Solanum marginatum L. Solanaceae

GHT - orange ECON

Fls. Solids 1.5 m tall growing near base of tree in field. Very common weed. Petals white, corolla lobate with violet nectar guides. leaves, dark bluish-green above white beneath.

2204. Poinsettia callianthum Morton Euphorbiaceae

Tree 3 m tall growing in top of front garden in park. Petals white flesh. Fruit green det S. Knapp 1985.

GHT, K, US, S, F, col

Bogota

2nd Jan.

GHT, K, US

Flowers 2-3 in tall racemes
on stiff side branches. Corolla
just Petals white powdered
glossy. Stamens bright yellow.
Fruit green smooth about 2
cm in diameter.

1st Jan.

GHT, K, US

✓ P.

2nd Jan.

GHT, K, US

GHT, K, US, S, F

Leaf 6 cm tall along stalk to
cluster. Petals pale violet, somewhat
reflexed. Stamens cylindrical
yellow.

3rd Jan. *Epidendrum* ~~chiomeum~~ Lindl. Orchidaceae
OR

Leaves 15 cm tall in bush
abreast Montevideo in Paraguay.
Leaves decurrent. Flowers
pale yellow, somewhat waxy.

2208. *Orchid.*

Shrub 2 m tall growing behind
church or slopes. Flowers bright
yellow globose.

2209 *Compositae*

Gt, K

Shrub 1 m tall on slopes
behind Park Ivy like Reddish
purple. Corolla 5 sep + 5 petals
white. Leaves Crinaceous
- hispidous.

2210. *Compositae*

Gt, K

Shrub 1.5 m tall on slopes
behind Park. Flowers bright
yellow. Leaves coriaceous.

Bogotá

(21). Senecio

GHT, K, US.

Fls 15 mm tall on slopes
below dark forest yellow
leaves linear

Compositae

2212

GHT

Fls 15 mm tall on slopes
below dark forest
yellow with corolla
white blue white inflores-
cence fishy.

Papaveraceae

2213

Aragoa

GHT
Fls 15 mm tall on slopes
below dark Corolla white

Scroph.

✓
2212.

Fern growing along trail
to Pondense from Chirach.

✓
2213 Tibouchina grossa (L.f.) Xogn. Melastomaceae
us K, J det. H. Wurdack 1973.
S, height 2 m tall. along trail
Fl. lvs. Petals deep rose
colored (red).

✓
2214.

Compositae

GT, K, us

height to 0.3 m tall?
growing in clearings. flowers
pale lavender blue.

✓
2215

Liliaceae

Lilium growing on old tree
trunk (stump).

Bogota

Paepilanthus

Priocnemidae

GH 12-

Herb. Heads white.

250. Extemis coardata Bala x

GtH, K

Went. 11:00 a.m., or 1 P.M.
in Fort Verde, Arizona
Purple outside, blue inside.
Petals over 10 sp.

220.

Kuss

Cyperaceae

Kusse
tree is in full cultivation
on Mount Janat 4- Park.

~~200~~ x DA. Amanita

~~Partito~~

Amicalola

Prov. 1922 June 20th Mr.
Foster behind montane.

18. Enero 1969. Bogotá

2221. Cobaea scandens

Polemoniaceae

GHT, K, US, S, EP, L, NY, M, LE, MO

Vine in Instituto De Ciencias Naturales
growing along fence. Corolla green.
Corolla violet.

ECON

2222. Fimica

Apoynaceae

ECON GHT, K, US, S, F

Herb growing near base of
montejarate near finca called
Nirvana. Cor. bl. light blue.
Growing in pasture near
shrubbs.

2223. Abatia parviflora R. + P.
Abatia herbascifolia HBK. Flacourtiac

GHT

Rio San Francisco

Small tree along Quebrada
running past montejarate station.
flowers yellow det. Steumer 1980.

2224. Solanum

GHT, K.

Shrubs to tree growing on hillside
near Nirvana. Corolla white.
Hairs yellow brown.

19 Enero 1969.

2225 Guzmania tomentosa H.B.K.

GHT, K, US, S, F, P, L, NY det. P. Matekaitis 1982.

Tree 7.0 m tall along highway
10 km south of Espinal.
Young fruits green, turn-
ing black at maturity, per-
sist.

2226. Ficus, K, US

Much branched tree about 10
m tall along highway near
stream 10 km S. of Espinal.
Abundant milky latex.

Neiva. Elv. 431 m.

2227. Cucumis dipsaceus Spach Cucurbit
ECON GT, K, US, S, F det. C. Jeffrey 1979.

Herb. Vine growing on ground in vacant lot near center of Neiva. Corolla yellow. Fruit 5 berry, covered with soft spines, turning yellow at maturity. Very bitter.

20 Evers 1969. Ras Neiva Altamira

ibaguense HBK.

2228. Epidendrum ciliolos Orchidaceae

Anus Orch, Bog, INPA, K

Herb to 1m. tall growing on dry bank along road.

Near Altamira Elv. 1079 m.

2229. Hypoxis

GT, K, US

Labiatae

Herb, growing in waste places along street in Alta Mira.

Corolla reddish orange.

ECON

2230. ~~Bartsia~~ Buchnera

GHT

Herbs growing along road in
Altamira.

Resinas. 11 km. toward Florencia.

2231. Blechnum arboreum (Kl. + Karst.) Hieron.

Fern growing in Potrekos or
Lithosides. det. DSB.

GHT

2232.

GHT, K, US

Euphorbiaceae

Shrubs 1.5 m tall on hillside
near road. Heads white.

2233. Solanum dolichosepalum Bitter det. M. D. Whalen 1987.

Solanum auctosepalum Rusby

GHT, K, US, S, F det. M. Nee 1982.

Shrubs 3 m tall along roadside.
near dwelling. Corolla pale
violet. Young shoots growing in
curious crotter (semi) manner.

Florencia

2234. Solanum guitoense Lam.
GH, K, US, S det. M. Nee 1982.
Shrub 1.5 m tall along roadside.
Calyx purple, ~~heavy~~ hairy. Corolla
white.
Young leaves + twigs also
purple. Fruits covered with
desiccating hairs.

21 Enero 1969. Florencia c. 300 m.
Elev.

2235. Ginsanga odorata Hook f. et Thoms

ECW A-JP, K, US, S, F, P, L

Tree growing in plaza and
along streets of Florencia. Very
fragrant odor, especially
at night. Calyx green. Petals
light green to yellowish.
to 10 m tall.

22 ENERG 1969.

Florencia

2236. Bromallia speciosa Hook.

ECON A-JP, US, K, S, F, P, L

Herb growing as ornamental
in garden of Escuela Normal
in Florencia. Corolla blue.



22 Enero 1969. El Recleta 10 km N.

f. florencia along Road to
Neiva. 300-500 m elev.

2237. Adiantum tomentosum Kl.

Fern in cut over 2° forest,
to 1.5 m tall. Dry. Very common.
GJT

2238. Trichomanes pinnatum Hedw.

GJT Det DSB
Fern growing on forest floor,
2° forest. Dry. Occasional.

2240.

~~Calathea~~ Calathea sp. nov.

det. HK K, US

Marcantaceae

Herb 1.5 m tall growing on forest floor. Flowers: pale yellow. occasional. Outer stamensode deep yellow.

2239. Pleurostachys

Cyperaceae

Herb growing in forest in large clumps.

K, US, S, F, P, L, NY

2241. Solanum jamaicense Mill.

GH, K, US, S, F, P, L det. M. Nee 1979.

Shrub in waste places along road on grassy hillside - 1.5 m. tall. Corolla white.

2242. Scleria

var. "Cortaderia"

Cyperaceae

GH Herbs to 3 m. in dry 2° woods.

Florencia

2243. Juncelloa schraderi Cuatr.

GH, Eca, INPA

Epiphytic shrubs - scandent -
2 m. across. Growing in crotch
of tree on edge of clearing.
Calyx dark red, corolla yellow
to orange, fleshy. Leaves
rubbery in texture. Petioles
bright orange. Roots forming
soft tubers housing cutts.

2244. Panicum pilosum Sw.

Gramineae

INPA, US, GH det. T. Soderstrom

LE, K, S Herbs about 1 m tall in burned
over clearing near road. In rosette
like clumps.

2245. Ichnanthus sp.

Gramineae

GH, US I. pallens (Swartz) Munro

K, S Herbs Creeping along ground
in burned over clearing.

det. M.T. Sieber

INPA,

(Hack.) Hitchc.

2246. Lasiacis procerrima Gramineal
US, GFT det T. Soderstrom
F, K, SIKers 3 m tall growing in open
burned over clearing near road.
In florescence open spreading
at maturity.
INPA

2247. Solanum

GT, R

Herb to shrub 1 m tall growing
in backyard of Escuela Normal
just S. of Florencia. Corolla
pale green.

23 Enero 1969. 5 km south of
Florencia - hills behind
Escuela Normal. Collectors:
Pedro Lasso & Helen Kennedy.
c. 1300 m. elev.

2248. ~~Eruca~~ ^{- 400} Potlia amera Aubl.

GT
Shrub 2 m tall in 2° forest.
Receptacle yellow, (sepals) - fruit
green.

Florencia

2249. Heliconia velutina Andersson

Gtt, K, US, S Det. L. Anderson VII-1982.

Herb 2 m tall in 2° forest.
Bracts red, axis yellow. Petals
green, fruit yellow.

gracile (Rudge) Lindl. ^{det. M.} Madison ^{1977.}

2250. Athamium scotopendrinum (Ham.) Kunth

Gtt, K, US, S F

Herb 1 m tall growing on
short stumps near edges of
forest. Spathe red, spadix
brown.

2251. Musella adansoni Schott

Gtt, ~~K~~ F det. M. Madison 1977

Herb 1 m tall epiphytic on
side of tree. Spathe white turning
black with age, deciduous. Fruiting
spadix creamy white.

2252. Ceratonia

GH, K, US, S, F

Small shrubs 1 m tall along trail
on edge of field. Fruits blue-black
at maturity about 1 cm long.

2253. Polygala

GH, K, US, S, F

Polygalaceae
Leguminosae

Shrub to 2 m growing in
forest. Bracts white with green
towards the tips.

2254. Erythroxylon cf. gracilipes Peyritsch

GH, K, US, S, COL, F, US

Small tree to 5 m tall along
trail at edge of woods. Branched
in curious horizontal planes.

Florencia

2255. Guatteria

Annonaceae

G.H., F.

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2258. Ryania speciosa Vahl
Gt., K, US det Steumer 1976.

~~Annonaceae~~

Shrub 1.5 m tall in 2° forest.
Sepals light green beneath
pink above. All filaments and
Style pink.

2259. Ischnosiphon puberulus Marantaceae
(Gt., K, US, S, F) var. scaber (Peters.) Anderss.

~~■~~ Elongate scandent herbs about
6 cm long. Leaves above green and
somewhat shiny, pale beneath
the veins prominent as fine
dark lines. det. L. Andersson 1978.

2260. Ischnosiphon leucophaeus Marantaceae
(P. & E.) Kern.
Gt., K, F ~~det. K.~~ ssp. leucophaeus
Herb, 0.5 m tall on forest floor.
Leaves dull green above, very
glossy beneath

det. L. Andersson
1978.

Florencia

2261. Monotagma sp. nov.

Gtt, K aff. doliosum det HK.

Herbs to 1 m tall in forest.
Flowers red orange (buds).

Marcantaceae

2262. Miconia laurteigiana Wurdack

us; K, S, F det. J.F. Wurdack 1972

Gtt Shrub 1.5 m.

Hameliodaceae

2263. us, Cordia nodosa Lam.

Gtt S, K, F

Shrub 1 m tall. But plant
in greener portions of stem.

2264. Psychotria Santaremia

Gtt, K M. Arg. det. D. Simpson

Shrub 2 m tall in small
clearing in forest. Axis of infl.
purple. Fruits green.

Rubiaceae

Kara

2265. Peperomia
GH, K, US, S, F

Piperaceae

2266.

Succulent herb growing on
old stumps at edge of forest.
Leaves fleshy, succulent.
Spike yellow.

24 Enero Puerto Lara, Cequeta.

2267. Ficus:

K, US

Tree - large - about 25 m tall,
trunk about 1 m. along Rio
Ortega, et Puerto Lara. Milky
juice.

2268. Ficus:

K, US, S, F

Large tree 20 m tall along
Rio Ortega, et Puerto Lara. Leaves
somewhat coriaceous. A abundant
milky latex.

2269. Solenum

vn. "Iulo" GTT, K, US, S

Spiny shrub 2 long Rio Ortega
za et Puerto Lera. Calyx purple
Corolla white. Fruit orange
5 cm in diameter.

2270. Solenum sessile Ruiz & Pavon Solanace.

GTT, K, US, S, F, P, L, NY, M

Shrub 3 m tall in field behind
Inquisition et Larenderia. Corolla
white. det. S. Knapp 1986.

Classic.

2271. Elaeis: Decaphalangium peruvianum

GTF, K, US, S, F, P

Tree 10 m tall 2 long Rio
Ortega et Puerto Lera.
Petals fleshy orange. Stigma
bright yellow. Leaves fleshy.
succulent.
det. P.F. Stevens 1987

25 Enero 1969, 9 km south of Florencia
near Rio Ortega Lagoon.
Coll. Pierson, Klunz., T. Grob.
2272 Cecropia magnifolia Cuatrecasas
Gt, K, S det. J. Cuatrecasas 1978

Small tree to 5-6 m.

along river bank, 2° growth
(thicket). ♀ infl. green
underside of lvs. white.

CECROPIA FICIFOLIA SNETHALAGE DET. C.C. BERG 1992

Dimerocostus strobilaceus O. Kuntze. det. P.C.M. Maas
1972.

2273 [Dimerocostus uniflorus
Eod, K, us (Poepp.) K. Schum.

4 m. high. On steep slope
of river bank. • 2° growth situation
flowers white.: few green

Det. H.K.

2274 Costus guanaiensis Rusby Zingiberaceae
Gt, K var. macrostrobilus (K. Schum.) Maas. det. Maas
1972

3,5 m. high. Steep slope of
river bank. 2° growth situation (thicket)
flowers pink. bracts green
w/ appendage. Petals white (staminode
pink → red)

Río Ortega

2275 Heliconia hirsuta L.f. Musaceae
Utrecht GT, K det. L. Anderson 1985.

Along a ^{steep} river bank 2° growth thicket
plant 2.5 m Bracts orange.

2276 Heliconia ortotricha Anderss.

Utrecht GT, K det. L. Anderson 1982.

Bracts dark red Plant 2 - 2.5
m. flowers green. Along
steep river bank 2° growth
thicket. Fruit - red-orange
^{light gr.} _{dark gr.} Older specimen
red usu. just dark red.

2277 Miconia tomentosa (Rich.) Don Melastom
US, K, S det. J. J. Wurdack 1972

Large shrub 3 m. high petals
Along Quebrada. Ovary pink ~~petals~~
cream colored, stamens purple,
anthers & fil. purple. Pistil white
Bark papery splitting longitudinally
exfoliating.

→ 5 →

C. VERTICILLATA (L.) NICOLSON & JARVIS
DET. J. A. LOMBARDI XII/1993

2278. Cissus sicyoides L.

GHT, US, K, S, F, P, L, NY

Vine 6 m tall growing on bamboo along River. Flowers white, fruits black, 2f meterry (berry), about 1 cm in diameter.

Plant infected with ants.

(Stadelm.) Woods.

2279. Macropharynx spectabilis

Apocynaceae

GHT, K, US, S, F, P, L, NY, MILE, MO.

Woody liana, growing in 2° thicket corolla lobes white (Petals overlap counterclockwise) Clear sap, bitter.

± 5 m. long. det. Mary Fallen 1980.

2280. Miconia titanophylla Gleason heliform
US ex char.
det. J. J. Wurdack 1972

GHT Calyx lobes pink, anthers + fil. pink
K, S, hairy,
F, P corolla lobes white
Large shrub 3 m. Along river
bank in 2° thicket.

2280-A. *Piper* ~~platycladum~~ ^{arborescens Aubl.} US, K, S, F, P, A
Gt Shrub 1.5 m tall along river in thicket.
det W. Bunge 1978

2281. *Olyra latifolia* L. Gramin.
Gt, US det. T. Soderstrom
Along riverbank 2° thicket
herb 1.5 m.

2282 *Stigmaphyllon* Malpig.
Gt, K, US, S, F, P, L, NY, M, LE
tall vine, climbing on tree
10m. long Flower - petals bright yellow
samaras green turning red.

2283 *Tabebuia* Bignon.
Gt, K, US, S
Tree 10m. high. Along fence
row (cultivated?) Flowers ~~purple~~
pink-lavender

2284 *Calathea* sp. Marant.
US sterile.
Along riverbank at bridge 2° growth
No fl. or fr. Non-branching.
Lvs. on bo.

Florencia

26 Shero 1969. Florencia

2286. Solanum GRANDIFLORUM. R. & P.

GHT, K, US, S, F, P, L, NY, M, LE DET. H. NEE 1989

Shrubs to small tree 4 m tall along road to airport. Corolla violet, ~~anthers~~ yellow. Fruit green 3.5 cm in diameter. Fruit turns black on cutting.

2286. Mangifera indica L.

A-JP KY US

Tree 6 m tall in house yard near airport. Peduncle reddish. Petals creamy yellow.
ECO

sacha - arbol

huasca - begonias

huacamayo - pajaro colorado
garfas - white cranes.

magata canqui = que tal? como estás?
masata sútic anqui = como se llama?

Pescado

dorada - dorada

bocachico - chaluz

cucha - cerahuá

Chimbe

sardina - sambilco

Samo - wild pig, cerdo del monte
habilla largata

Cerpuanguí - buenos días

Chigia puángui - buenos tardes

Sopunchacema - adios

cayacamá - hasta mañana

pokuska - plátano maduro

yayo - plátano tierno

tomo - Yuca

yacu - Río

yumi - piedra

cari - hombre viejo

huarfame - mujer

MUZO - joven

Sípas - Señorita

rucp - viejo

ahuita - mujer vieja

J JUA GUATOPÓ

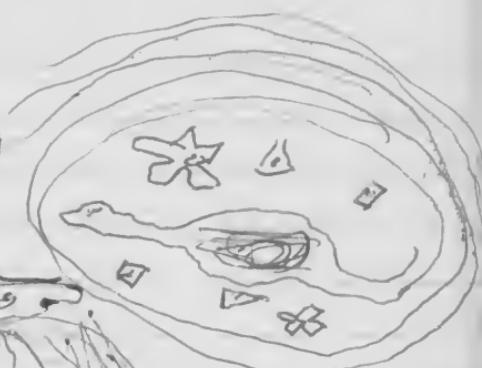
Limon Cocha
color - oro
hojas.

verde

marrón

azul.

platano



caramelo

amarillo



verde
rojo

oíz

platano
rosado

Pedro Trajiboy



